

**MATRIX OF PLANT COMMUNITY/ASSOCIATION TYPES BY STATE AND GLOBAL  
RANK AND OCCURRENCE BY BUREAU OF LAND MANAGEMENT RESOURCE AREA:  
WITH FORWARD EXPLAINING COMPILATION AND USE OF MATRIX**

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**ABSTRACT**

Within the state of Montana at least 400 plant associations or plant community types have been catalogued. The Bureau of Land Management has vast acreages under its aegis; the various Resource Areas (R.A.) represented have widely varying climates, substrates and landscapes. Because community types are good biological integrators of the above listed variables, an easily comprehended measure of the differences and similarities between these areas can be appreciated from a matrix of community types by R.A. In addition this matrix can provide an easily accessible geographically keyed listing of communities critical to conservation measures.

FORWARD TO MATRIX OF PLANT COMMUNITIES/ASSOCIATIONS  
ON BUREAU of LAND MANAGEMENT HOLDINGS:  
BY CONSERVATION RANK AND RESOURCE AREA

To assess community type distribution by Bureau of Land Management Resource Area (R.A.) the initial approach was to query the Biological Conservation Database (BCD). This database, as currently constituted and maintained on MTNHP computer system, contains only high quality (near pristine, lightly grazed) representations of c.ts. Only 125 plots were found in database that actually were on BLM lands (0 on Garnet, 0 on Great Falls, 2 on Powder River, 3 on Big Dry, 5 on Judith, 13 on Billings, 14 on Headwaters, 16 on Valley, 20 on Havre, 26 on Phillips and Dillon). Another query of BCD with records for counties aggregated into Resource Areas (because Resource Areas is not a field that can be queried in BCD) yielded only an additional 28 plots. Counties with no, or very minimal BLM lands were not queried; see Table 3 (page vii for listing of counties queried and those with dual Resource Area membership).

This meager total would not begin to reveal the diversity of c.ts. on BLM holdings so further inquiry was made. However, it cannot be stated unequivocally that the c.ts. cited for particular resource areas actually occur on BLM holdings. We have only surmised that c.ts. documented to be within the jurisdictional boundaries of particular R.As. occur in environments that would also be found on BLM lands.

We then mounted back-up discs of lower quality site records once purged from the BCD system and derived locations for an additional 234 types.

A manual search then ensued which involved the perusal of the scientific literature and field and clearance reports that BCD indicated had been an original source of community description. This was complemented by a scan of the Montana Riparian Association stream reach inventory reports to the BLM (and other agencies with holdings proximal to those of the BLM). A scan of these inventory reports for stream reaches was deemed more efficient and more inclusive as much more acreage was evaluated than was covered when field plots were established (during sampling for ad database on which to construct a wetlands classification.

There are a number of types listed for which we have no plot documentation at this time; such would be the case for several riparian/wetland types named by the Montana Riparian Association in the course of inventorying Bureau of Land Management lands as per contractual stipulations. Other community types have been described by well-known ecologists (e.g. W. Mueggler and W.

Stewart) but no sample plots exist to document the existence of the type; these community types have been entered into our database on the strength of the observers' reputations in ecological matters. Still other community type information remains only on field forms and is yet to receive comprehensive analysis, but again based on the excellent reputations of investigators (such as R. DeVelice and P. Lesica) the preliminary community type designations based on these not yet analyzed field records have been incorporated into this matrix. Note that c.t.s. derived from incompletely analyzed data tend to be grouped in the last portion of the matrix labeled "OTHER."

The 19 page table that precedes the c.t./rank by R.A. matrix is an alphabetical listing of community types and UNESCO structural types (a hierarchical classification of vegetation types) and is meant as a convenience for entering the matrix. Following c.t. name is the page number of matrix on which particular c.t.s./structural types occur and the BCD source of the most definitive information on that vegetation type (UNESCO structural types do not have citations!).

The c.t./rank by R.A. matrix is organized by the UNESCO structural/physiognomic system so as to confer some ecological meaning to the whole. The UNESCO system is composed of four levels (Class, Subclass, Group, Formation). Headings of important group separations, which are in bold typeface, proceed from environments dominated by macrophytes (trees) to progressively reduced lifeform and more sparse vegetation types, or at least those of rather restricted environments (alpine rockfields, aquatic substrates). Thus, all c.t.s. recognized as mid-grass prairie (dominated by species of Agropyron, Stipa, Poa etc.) occur together, as well as their subdivision into mid-grass types with and without a significant representation of a shrub component. Within a UNESCO structural unit the vegetation types are arranged alphabetically by Alliance and plant association, which are the finest levels of the classification and floristically defined.

Regarding the state and global ranking, note that only vegetation types which are known or presumed to be represented on BLM lands have their rankings reported. **The lack of state or global rank signals that either that type does not occur on BLM lands or that we lack sufficient information to make the call.** The rankings are estimates of the state and global rarity, respectively, for that type. These ranking have been determined by MTNHP staff in coordination with The Nature Conservancy and professional ecologists in Montana.

The shading of rows indicates that the state ranking is numerically 3 or less; this shading is intended as a convenience for spotting types potentially at risk. Note that some community

types have a question mark for rank; this indicates that that these types are relatively new and have no ranking to date and/or that their extent/ubiquity is simply unknown. Table 1 (page vi) presents a matrix used by Natural Heritage Programs and which roughly details how rankings are determined with respect to occurrence and areal extent. A ranking of 3 indicates communities currently with a healthy status but with some negative impact could become imperiled. Communities with rank of 3 or less are those that should be tracked in any conservation program.

The cells of the matrix (occurrence of c.t./p.a. by R.A.) are either left blank (underline character holding position), indicating either no information or lack of occurrence, or contain one of three symbols. S indicates that a sample (plot) or inventory sighting has been taken within the particular R.A. for the indicated vegetation type; it does not imply that the sample had been taken on BLM lands. The symbol P stands for probable occurrence within R.A. based on presence of that c.t. in an adjacent R.A. and the fact that this adjacent R.A. has substrates/environments inferred to be like those of the R.A. supporting the c.t. The H stands for hypothetical, a degree more uncertain than P ; we suspect the c.t. could exist there based on putative species distribution. The P and H designations are just educated guesses of experienced ecologists.

Table 2 (page vii) is a synopsis of state rankings (numerical values 3 and less) by Resource Area and total number of community types by Resource Area. Note that only cells with S values (see below) and with both S and P values have been tabulated so a comparison can be made between actual and hypothesized occurrences.

The compilation that follows (beginning on page ix) is an alphabetical listing by scientific name (latin binomials) of all plant communities (C.T.), associations (P.A.) and habitat types (H.Ts.) listed for Montana by the Montana Natural Heritage Program. This listing has been updated and is considered all-inclusive as of 12/1994.

Table 1. Matrix used as guide in estimation of state community type ranking. A combination of estimated total area occupied and estimated number of occurrences is used to define ranges for specific S-rankings (cells of table). Rankings in parenthesis are values that can be given when a community is at extremes of the cell's parameters.

Estimated Number of Occurrences		Estimated Total Area (mi <sup>2</sup> , acres)			
		3 mi. <sup>2</sup> <2,000 ac.	3-15 mi. <sup>2</sup> 2,000 to 10,000 ac.	15-75 mi. <sup>2</sup> 10,000 to 50,000 ac.	>75 mi. <sup>2</sup> >50,000
0	SH, SX	-	-	-	-
A 1-5	-	S1	S1	S1	S1
B 6-20	-	S1	S2 (S1)	S2 (S1)	S2 (S1)
C 21-100	-	S1	S2 (S1)	S3 (S2)	S3 (S2)
D 100+	-	S1	S2 (S1)	S3 (S2)	S5 (S3, S4)

Table 2. Occurrence (presence/absence) of community/association types with State Rank of 3 and less as well as total number of types, both sampled and sampled plus probable (P) tabulated by Bureau of Land Management District and Resource Area (R.A.)

State Rank Dist.	Butte District			Lewistown District					Miles City		
	Resource Areas										
	GR	DL	HW	GF	HV	JD	PH	VY	BS	BD	PR
1	0	0	0	0	1	0	1	0	1	1	1
2	4	10	3	0	4	3	0	4	6	3	4
3	16	47	19	17	14	14	19	11	29	9	25
Total # c.ts. Rank <, = 3	20	57	22	17	19	17	20	15	36	13	30
Total # c.ts. sampled in R.A.	58	135	72	93	55	64	56	40	96	37	72
% of c.ts. with rank of 3 or less	34	42	30	18	34	26	36	37	37	35	42
Total # c.ts. S and P	77	163	104	106	71	87	65	46	131	57	74

Table 3. Listing of Montana counties by Bureau of Land Management Resource Area (counties occurring in multiple Resource Areas are in bold; counties with shading have no or very minimal BLM holding and were not specified for search when databases were queried)

GARNET RESOURCE AREA COUNTIES:

1. LINCOLN, 2. FLATHEAD, 3. SANDERS, 4. LAKE, 5. MINERAL, 6. MISSOULA, 7. POWELL, 8. RAVALLI, 9. GRANITE

DILLON RESOURCE AREA COUNTIES:

10. BEAVERHEAD, 11. MADISON

HEADWATERS RESOURCE AREA COUNTIES:

12. SILVERBOW, 13. DEER LODGE, 14. JEFFERSON, 15. CLARK, 16. PARK, 17. BROADWATER, 18. GALLATIN  
24. LEWIS & CLARK

GREAT FALLS RESOURCE AREA COUNTIES:

19. GLACIER, 20. TOOLE, 21. LIBERTY, 22. PONDERA, 23. TETON, 24. LEWIS & CLARK, 25. CASCADE, 26. MEAGHER, 27. CHOUTEAU

JUDITH RESOURCE AREA COUNTIES:

28. JUDITH BASIN, 29. FERGUS, 30. PETROLEUM, 31. GOLDEN VALLEY, 27. CHOTEAU

HAVRE RESOURCE AREA COUNTIES:

32. HILL, 33. BLAINE

PHILLIPS RESOURCE AREA COUNTIES:

34. PHILLIPS

VALLEY RESOURCE AREA COUNTIES:

35. VALLEY

BIG DRY RESOURCE AREA COUNTIES:

36. DANIELS, 37. SHERIDAN, 38. ROOSEVELT, 39. McCONE, 40. RICHLAND, 41. DAWSON, 42. WIBAUX, 43. GARFIELD, 44. FALLON, 45. PRAIRIE, 35. VALLEY, 47. ROSEBUD, 48. CUSTER

POWDER RIVER RESOURCE AREA COUNTIES:

46. TREASURE, 47. ROSEBUD, 48. CUSTER, 49. CARTER, 50. POWDER RIVER

BILLINGS RESOURCE AREA COUNTIES:

51. SWEETGRASS, 52. WHEATLAND, 53. GOLDEN VALLEY, 54. MUSSELSHELL, 55. STILLWATER, 56. YELLOWSTONE 57. CARBON, 58. BIG HORN



Plant Community (CT) / Association (PA) Name Alphabetically Arranged, Includes UNESCO Designations	Page # for Community Type on Rank/RA Matrix	Primary Source for CI/PA Designation
ABIES GRANDIS FOREST SERIES	2	
ABIES GRANDIS/ASARUM CAUDATUM PA	2	
ABIES GRANDIS/CALAMAGROSTIS RUBESCENS P.A.	2	
ABIES GRANDIS/CLINTONIA UNIFLORA PA	2	
ABIES GRANDIS/LINNAEA BOREALIS PA	2	
ABIES GRANDIS/SENECIO TRIANGULARIS PA	2	
ABIES GRANDIS/SPIRAEA BETULIFOLIA PA	2	
ABIES GRANDIS/XEROPHYLLUM TENAX PA	2	
ABIES LASTIOCARPA EVERGREEN SCRUB SERIES	9	
ABIES LASTIOCARPA FOREST SERIES	2	
ABIES LASTIOCARPA KRUMMHOLZ P.A.	9	
ABIES LASTIOCARPA MONTANE SCREE SERIES	21	
ABIES LASTIOCARPA-ACER GLABRUM AVALANCHE CHUTE C.T.	9	
ABIES LASTIOCARPA-PINUS ALBICAULIS/VACCINIUM SCOPARIUM PA	3	
ABIES LASTIOCARPA/ACTAEA RUBRA PA	2	
ABIES LASTIOCARPA/ALNUS SINUATA PA	2	
ABIES LASTIOCARPA/ARNICA CORDIFOLIA PA	2	
ABIES LASTIOCARPA/ARNICA LATIFOLIA H.T.	2	
ABIES LASTIOCARPA/CALAMAGROSTIS CANADENSIS PA	2	
ABIES LASTIOCARPA/CALAMAGROSTIS RUBESCENS PA	2	
ABIES LASTIOCARPA/CAREX GEYERI PA	2	
ABIES LASTIOCARPA/CLEMATIS PSEUDOALPINA PA	2	
ABIES LASTIOCARPA/CLINTONIA UNIFLORA PA	2	
ABIES LASTIOCARPA/GALIUM TRIFLORUM PA	2	
ABIES LASTIOCARPA/JUNIPERUS COMMUNIS H.T.	2	
ABIES LASTIOCARPA/LEDUM GLANDULOSUM PA	2	
ABIES LASTIOCARPA/LINNAEA BOREALIS PA	2	
ABIES LASTIOCARPA/LUZULA HITCHCOCKII PA	2	
ABIES LASTIOCARPA/MENZIESIA FERRUGINEA PA	2	
ABIES LASTIOCARPA/OPLOPAX HORRIDUM PA	2	
ABIES LASTIOCARPA/RIBES MONTIGENUM PA	3	
ABIES LASTIOCARPA/SCREE PA	21	
ABIES LASTIOCARPA/STREPTOPUS AMPLEXIFOLIUS PA	3	
ABIES LASTIOCARPA/SYMPHORICARPOS ALBUS H.T.	3	
ABIES LASTIOCARPA/THALICTRUM OCCIDENTALE H.T.	3	
ABIES LASTIOCARPA/VACCINIUM CESPITOSUM PA	3	
ABIES LASTIOCARPA/VACCINIUM GLOBULARE PA	3	
ABIES LASTIOCARPA/VACCINIUM SCOPARIUM PA	3	
ABIES LASTIOCARPA/XEROPHYLLUM TENAX PA	3	
ACER GLABRUM AVALANCHE CHUTE C.T.	9	
MTNHP (Unpublished Information)		
PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO, & R.C. PRESBY. 1977.		
PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO, & R.C. PRESBY. 1977.		
HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.		
PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO, & R.C. PRESBY. 1977.		
HABECK, J.R. 1963b.		
BUTLER, D.R. 1979. Snow avalanche path terrain and vegetation, Glacier National Park, Montana.		
PFISTER, R.D., B.K. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.		
HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.		
PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO, & R.C. PRESBY. 1977.		
PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO, & R.C. PRESBY. 1977.		
COOPER, S.V. & R.D. PFISTER. 1981. Forest habitat types of the Blackfeet Indian Reservation.		
PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO, & R.C. PRESBY. 1977.		
PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO, & R.C. PRESBY. 1977.		
PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO, & R.C. PRESBY. 1977.		
PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO, & R.C. PRESBY. 1977.		
ROBERTS, D.W. 1980. Forest habitat types of the Bear's Paw Mountains and Little Rocky Mountains, Montana		
HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.		
PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO, & R.C. PRESBY. 1977.		
PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO, & R.C. PRESBY. 1977.		
PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO, & R.C. PRESBY. 1977.		
PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO, & R.C. PRESBY. 1977.		
PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO, & R.C. PRESBY. 1977.		
PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO, & R.C. PRESBY. 1977.		
HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.		
COOPER, S.V. & R.D. PFISTER. 1981. Forest habitat types of the Blackfeet Indian Reservation.		
COOPER, S.V. 1975. Forest habitat types on northwestern Wyoming and contiguous portions of Montana and Idaho.		
PFISTER, R.D., B.K. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.		
PFISTER, R.D., B.K. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.		
PFISTER, R.D., B.K. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.		
PFISTER, R.D., B.K. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.		
BUTLER, D.R. 1979. Snow avalanche path terrain and vegetation, Glacier National Park, Montana.		

Plant Community (CT) / Association (PA) Name Alphabetically Arranged, Includes UNESCO Designations	Page # for Community Type on Rank/RA Matrix	Primary Source for CT/PA Designation
ACER GLABRUM DECID. SCRUB SERIES	9	
ACER GLABRUM DRAINAGE BOTTOM C.T.	9	SCOW, K.L. & L.D. CULWELL. 1986. Vegetation inventory of the Mill Gulch Extension Area, Little Rocky Mountains, Montana.
ACER NEGUNDO ALLUVIAL DECID. FOR. SERIES	7	
ACER NEGUNDO WOODLAND SERIES	6	
ACER NEGUNDO/PRUNUS VIRGINIANA PA	7	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
AGROPYRON DASYSTACHYUM/PHACELIA HASTATA C.T.	16	DeVelice, R.L. 1992. Classification of the plant communities of Beaverhead, Silver Bow & Madison Counties, MT.
AGROPYRON SMITHII MID STEPPE SERIES	16	
AGROPYRON SMITHII PA	16	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
AGROPYRON SMITHII/BOUTELOUA GRACILIS C.T.	16	Culwell, L.D. & K.L. Scow. 1982a. Terrestrial vegetation inventory: Dominy project area, Custer Co., MT., 1979-1980.
AGROPYRON SMITHII/CAREX FILIFOLIA H.T.	16	HANSEN, P.L. 1985. An ecological study of the vegetation of the Grand River/Cedar River, Sioux, and Ashland districts of the Custer National Forest.
AGROPYRON SMITHII/POA JUNCIFOLIA P.A.	20	LESICA, P., Personal communication to R. DeVelice
AGROPYRON SMITHII-STIPA VIRIDULA P.A.	16	DeVelice, R.L., J. Lichhardt & P. Bourgeron. 1991. A preliminary classification of the plant communities of northeastern Montana.
AGROPYRON SPICATUM MID STEPPE SERIES	16	
AGROPYRON SPICATUM/AGROPYRON SMITHII H.T.	16	MUEGGLER, W.F. & W.F. STEWART. 1980. Grassland and shrubland habitat types of western Montana.
AGROPYRON SPICATUM/BOUTELOUA CURTIPENDULA H.T.	16	HANSEN, P.L. 1985. An ecological study of the vegetation of the Grand River/Cedar River, Sioux, and Ashland districts of the Custer National Forest.
AGROPYRON SPICATUM/BOUTELOUA GRACILIS H.T.	16	MUEGGLER, W.F. & W.F. STEWART. 1980. Grassland and shrubland habitat types of western Montana.
AGROPYRON SPICATUM/CAREX FILIFOLIA H.T.	16	HANSEN, P.L. 1985. An ecological study of the vegetation of the Grand River/Cedar River, Sioux, and Ashland districts of the Custer National Forest.
AGROPYRON SPICATUM/CUSHION PLANT C.T.	16	DeVelice, R.L. & P. Lesica. 1993. Plant community classification for BLM lands, Pryor Mountains, Carbon Co., MT
AGROPYRON SPICATUM/ERIOGONUM OVALIFOLIUM PA	16	P. Lesica, from Hot Springs vicinity; J. Pierce, from Mt. Jumbo e. of Missoula
AGROPYRON SPICATUM/KOELERIA CRISTATA C.T.	16	Ross, R.L., E.P. Murray & J.G. Haigh. 1973. Soil and vegetation of near-pristine sites, Montana.
AGROPYRON SPICATUM/MUHLENBERGIA CUSPIDATA C.T.	16	Producers, R. 1978. Circle West (McCone Co.) vegetation baseline study: final report.
AGROPYRON SPICATUM/ORYZOPSIS HYMENOIDES PA	21	DeVelice, R.L. & P. Lesica. 1993. Plant community classification for vegetation on BLM lands, Pryor Mountains, Carbon County, Montana
AGROPYRON SPICATUM/POA CUSICKII PA	21	
AGROPYRON SPICATUM/POA SANDBERGII HT	16	MUEGGLER, W.F. & W.F. STEWART. 1980. Grassland and shrubland habitat types of western Montana.
AGROPYRON SPICATUM-STIPA COMATA P.A.	16	MTNHP (Unpublished Information)
AGROSTIS STOLONIFERA CT	16	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
ALNUS INCANA CT	9	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.

Plant Community (CT) / Association (PA) Name Alphabetically Arranged, Includes UNESCO Designations	Page # for Community Type on Rank/RA Matrix	Primary Source for CT/PA Designation
ALNUS INCANA DECID. SCRUB SERIES	9	
ALNUS INCANA/CALAMAGROSTIS CANADENSIS PA	9	
ALNUS SINUATA CT	9	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
ALNUS SPP AVALANCHE CHUTE CT	9	BUTLER, D.R. 1979. Snow avalanche path terrain and vegetation, Glacier National Park, Montana.
ALNUS SPP DECID. SCRUB SERIES	9	
ALPINE (OR SUBNIVIAN) MAT-PATCHES	18	
ALPINE ROCK SERIES	21	
AMELANCHIER ALNIFOLIA DECID. SCRUB SERIES	9	
AMELANCHIER ALNIFOLIA/AGROPYRON SPICATUM C.T.	9	
ANDROPOGON GERARDII TALL STEPPE SERIES	16	
ANDROPOGON GERARDII/ANDROPOGON SCOPARIUS C.T.	13	HARVEY, S.J. 1980. The potential and current vegetation of the Sun River Game Range.
ANDROPOGON GERARDII/CALAMOVILFA LONGIFOLIA C.T.	14	Taylor, J.E. & T.L. Holst. 1976. Grass and shrub plant community classification. Final report to Ashland District, Custer N.F. (see Culwell & Scow. 1982a)
ANDROPOGON GERARDII/FESTUCA IDAHOENSIS C.T.	14	Taylor, J.E. & T.L. Holst. 1976. Grass and shrub plant community classification. Final report to Ashland District, Custer N.F.
ANDROPOGON HALLII TALL STEPPE SERIES	14	Taylor, J.E. & T.L. Holst. 1976. Grass and shrub plant community classification. Final report to Ashland District, Custer N.F.
ANDROPOGON HALLII/CAREX HELIOPHILA C.T.	14	
ANDROPOGON HALLII/STIPA COMATA C.T.	14	Culwell, L.D. & K.L. Scow. 1982a. Terrestrial vegetation inventory: Dominy project area, Custer Co., Montana, 1979-1980.
ANDROPOGON SCOPARIUS MID STEPPE SERIES	16	Ross, R.L., E.P. Murray & J.G. Haigh. 1973. Soil and vegetation of near-pristine sites, Montana.
ANDROPOGON SCOPARIUS/CAREX FILIFOLIA H.T.	16	HANSEN, P.L. 1985. An ecological study of the vegetation of the Grand River/Cedar River, Sioux, and Ashland districts of the Custer National Forest.
ANDROPOGON SCOPARIUS/CAREX HELIOPHILA C.T.	16	Culwell, L.D. & K.L. Scow. 1982a. Terrestrial vegetation inventory: Dominy project area, Custer Co., Montana, 1979-1980.
ANDROPOGON SCOPARIUS/MUHLENBERGIA CUSPIDATA PA	16	JORGENSEN, H.E. 1979. Vegetation of the Yellow Water Triangle, Montana.
AQUATIC PLANT FORMATIONS	21	
ARTEMISIA ARBUSCULA MID STEPPE SERIES	14	
ARTEMISIA ARBUSCULA/AGROPYRON SPICATUM H.T.	14	MUEGGLER, W.F. & W.F. STEWART. 1980. Grassland and shrubland habitat types of western Montana.
ARTEMISIA ARBUSCULA/FESTUCA IDAHOENSIS H.T.	14	MUEGGLER, W.F. & W.F. STEWART. 1980. Grassland and shrubland habitat types of western Montana.
ARTEMISIA CANA EVERGREEN SCRUB SERIES	9	
ARTEMISIA CANA MID STEPPE SERIES	14	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
ARTEMISIA CANA/AGROPYRON SMITHII PA	9	Culwell, L.D. & K.L. Scow. 1982a. Terrestrial vegetation inventory: Dominy project area, Custer Co., Montana, 1979-1980.
ARTEMISIA CANA/CAREX HELIOPHILA C.T.	14	MUEGGLER, W.F. & W.F. STEWART. 1980. Grassland and shrubland habitat types of western Montana.
ARTEMISIA CANA/FESTUCA IDAHOENSIS H.T.	14	

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ARTEMISIA CANA/STIPA COMATA PA	14	DeVelice, R.L., J. Lichthardt & P. Bourgeron. 1991. A preliminary classification of the plant communities of northeastern Montana.
ARTEMISIA LONGIFOLIA CT	21	MTNHP (Unpublished Information)
ARTEMISIA LONGIFOLIA LOWLAND AND SUBMONTANE SCREE SERIES	21	Harvey, S. J. 1982. Vegetation of Musselshell and Petroleum counties, Montana
ARTEMISIA LONGIFOLIA PA	21	DeVelice, R.L., J. Lichthardt & P.S. Bourgeron. 1991. A preliminary classification of the plant communities of northeastern Montana.
ARTEMISIA LONGIFOLIA/CALAMOVILFA LONGIFOLIA C.T.	21	MUEGGLER, W.F. & W.F. STEWART. 1980. Grassland and shrubland habitat types of western Montana.
ARTEMISIA LONGIFOLIA/ORYZOPSIS HYMENOIDES P.A.	21	MUEGGLER, W.F. & W.F. STEWART. 1980. Grassland and shrubland habitat types of western Montana.
ARTEMISIA LONGILOBA MID STEPPE SERIES	15	MUEGGLER, W.F. & W.F. STEWART. 1980. Grassland and shrubland habitat types of western Montana.
ARTEMISIA LONGILOBA/FESTUCA IDAHOENSIS HT	15	MUEGGLER, W.F. & W.F. STEWART. 1980. Grassland and shrubland habitat types of western Montana.
ARTEMISIA NOVA MID STEPPE SERIES	15	
ARTEMISIA NOVA/AGROPYRON SPICATUM HT	15	
ARTEMISIA NOVA/FESTUCA IDAHOENSIS HT	15	
ARTEMISIA PEDATIFIDA MID STEPPE SERIES	15	
ARTEMISIA PEDATIFIDA XERIC DWARF SCRUB SERIES	13	
ARTEMISIA PEDATIFIDA-ATRIPLEX NUTTALLII C.T.	13	
ARTEMISIA PEDATIFIDA/AGROPYRON SPICATUM PA	15	DeVelice, R.L. & P. Lesica. 1993. Plant community classification for Pryor Mountains, Carbon County, Montana.
ARTEMISIA PEDATIFIDA/FESTUCA IDAHOENSIS HT	15	DeVelice, R.L. & P. Lesica. 1993. Plant community classification for vegetation on BLM lands, Pryor Mountains, Carbon County, Montana
ARTEMISIA SPINESCENS P.A.	13	MTNHP (Unpublished Information)
ARTEMISIA SPINESCENS XERIC DWARF SCRUB SERIES	13	
ARTEMISIA TRIDENTATA EVERGREEN SCRUB SERIES	9	
ARTEMISIA TRIDENTATA LOWLAND AND SUBMONTANE SCREE SERIES	21	DeVelice, R.L., J. Lichthardt & P.S. Bourgeron. 1991. A preliminary classification of the plant communities of northeastern Montana.
ARTEMISIA TRIDENTATA MID STEPPE SERIES	15	DeVelice, R.L. & P. Lesica. 1993. Plant community classification for Pryor Mountains, Carbon County, Montana.
ARTEMISIA TRIDENTATA-ATRIPLEX CONFERTIFOLIA P.A.	12	JORGENSEN, H.E. 1979. Vegetation of the Yellow Water Triangle, Montana., e,
ARTEMISIA TRIDENTATA-ATRIPLEX NUTTALLII C.T.	12	HANSEN, P.L. 1985. An ecological study of the vegetation of the Grand River/Cedar River, Sioux, and Ashland districts of the Custer National Forest.
ARTEMISIA TRIDENTATA/AGROPYRON DASYSTACHYUM PA	9	
ARTEMISIA TRIDENTATA/AGROPYRON SMITHII H.T.	9	
ARTEMISIA TRIDENTATA/AGROPYRON SPICATUM HT	9	MUEGGLER, W.F. & W.L. STEWART. 1980. Grassland and shrubland habitat types of western Montana.
ARTEMISIA TRIDENTATA/FESTUCA IDAHOENSIS HT	15	MUEGGLER, W.F. & W.L. STEWART. 1980. Grassland and shrubland habitat types of western Montana.
ARTEMISIA TRIDENTATA/FESTUCA SCABRELLA HT	15	MUEGGLER, W.F. & W.L. STEWART. 1980. Grassland and shrubland habitat types of western Montana.

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ARTEMISIA TRIDENTATA/STIPA COMATA C.T.	9	DeVelice, R.L. & P. Lesica. 1993. Plant community classification for Pryor Mountains, Carbon County, Montana.
ARTEMISIA TRIPARTITA MID STEPPE SERIES	15	
ARTEMISIA TRIPARTITA/FESTUCA IDAHOENSIS H.T.	15	MUEGGELER, W.F. & W.L. STEWART. 1980. Grassland and shrubland habitat types of western Montana.
ATRIPILEX CONFERTIFOLIA P.A.	12	MTNHP (Unpublished Information)
ATRIPILEX CONFERTIFOLIA XERIC SCRUB SERIES	12	MTNHP (Unpublished Information)
ATRIPILEX NUTTALLII P.A.	13	MTNHP (Unpublished Information)
ATRIPILEX GARDNERI XERIC DWARF SCRUB SERIES	13	DeVelice, R.L. & P. Lesica. 1993. Plant community classification for Pryor Mountains, Carbon County, Montana.
ATRIPILEX NUTTALLII/AGROPYRON SMITHII P.A.	13	DeVelice, R.L. & P. Lesica. 1993. Plant community classification for Pryor Mountains, Carbon County, Montana.
ATRIPILEX NUTTALLII-ARTEMISIA SPINESCENS C.T.	13	DeVelice, R.L. 1992. Classification of plant communities of Beaverhead, Silver Bow, and Madison Counties, Montana.
ATRIPILEX NUTTALLII/MONOLEPSIS NUTTALLIANA C.T.	13	
ATRIPILEX NUTTALLII/ORYZOPSIS HYMENOIDES P.A.	13	
BETULA GLANDULOSA DECID. SCRUB SERIES	10	HANSEN, P.L., K. BOGGS, R. PFISTER & J. JOY. 1991.
BETULA GLANDULOSA/CAREX ROSTRATA H.T.	10	HANSEN, P.L., K. BOGGS, R. PFISTER & J. JOY. 1991.
BETULA OCCIDENTALIS C.T.	10	
BETULA OCCIDENTALIS DECID. SCRUB SERIES	10	LEE, L.C. & C.J. JONKEL. 1980. The vegetation structure and ecology of grizzly bear habitat in the Pine and Antelope Butte wetlands, Montana.
BETULA OCCIDENTALIS/POTENTILLA FRUTICOSA P.A.	10	MTNHP (Unpublished Information)
BETULA PAPHYRIFERA C.T.	6	
BETULA PAPHYRIFERA MONTANE DECID. FOR. SERIES	6	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
BOUTELOUA GRACILIS SHORT STEPPE SERIES	17	
BROAD-LEAVED DECIDUOUS WOODLANDS	6	
CALAMAGROSTIS CANADENSIS PA	14	Taylor, J.E. & T.L. Holst. 1976. Grass and shrub plant community classification. Final report to Ashland Dist., Custer N.F.
CALAMAGROSTIS CANADENSIS TALL STEPPE SERIES	14	MTNHP (Unpublished Information)
CALAMOVILFA LONGIFOLIA TALL STEPPE SERIES	14	Ross, R.L., E.P. Murray & J.G. Haigh. 1973. Soil and vegetation of near-pristine sites, Montana.
CALAMOVILFA LONGIFOLIA/AGROPYRON SMITHII C.T.	14	HANSEN, P.L. 1985. An ecological study of the vegetation of the Grand River/Cedar River, Sioux, and Ashland districts of the Custer National Forest.
CALAMOVILFA LONGIFOLIA/ANDROPOGON HALLII PA	14	
CALAMOVILFA LONGIFOLIA/CAREX FILIFOLIA C.T.	14	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
CALAMOVILFA LONGIFOLIA/CAREX HELIOPHILA H.T.	14	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
CAREX APERTA PA	19	
CAREX AQUATILIS PA	19	
CAREX AQUATILIS SWAMP SERIES	19	
CAREX ATHROSTACHYA SWAMP SERIES	19	
CAREX BUXBAUMII P.A.	19	
CAREX BUXBAUMII SWAMP SERIES	19	
CAREX ELYNOIDES ALPINE MEADOW SERIES	17	PIERCE, J.R. 1986. Wetland community types of west-central Montana.
CAREX ELYNOIDES C.T.	17	Cooper, S.V. & P. Lesica. 1992. Plant community classification for alpine vegetation on Beaverhead National Forest, MT.

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CAREX ELYNOIDES/GEUM ROSSII C.T.	17	BAMBERG, S.A. 1961. Plant ecology of alpine tundra areas in Montana and adjacent Wyoming.
CAREX FLAVA SWAMP SERIES	19	
CAREX GEYERI SHORT STEPPE SERIES	17	
CAREX LASTIOCARPA PA	19	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
CAREX LASTIOCARPA SWAMP SERIES	19	
CAREX LIMOSA PA	19	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
CAREX LIMOSA SWAMP SERIES	19	
CAREX NEBRASCENSIS SWAMP SERIES	19	
CAREX NEBRASCENSIS CT	19	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
CAREX NIGRICANS C.T.	18	Cooper, S.V. & P. Lesica. 1992. Plant community classification for alpine vegetation on Beaverhead National Forest, MT.
CAREX ROSTRATA PA	19	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
CAREX ROSTRATA SWAMP SERIES	19	
CAREX RUPESTRIS/POTENTILLA OVINA C.T.	18	Cooper, S.V. & P. Lesica. 1992. Plant community classification for alpine vegetation on Beaverhead National Forest, MT.
CAREX SAXATILIS P.A.	20	PIERCE, J.R. 1986. Wetland community types of west-central Montana.
CAREX SAXATILIS SWAMP SERIES	20	
CAREX SCIRPOIDEA/GEUM ROSSII C.T.	17	Cooper, S.V. & P. Lesica. 1992. Plant community classification for alpine vegetation on Beaverhead National Forest, MT.
CAREX SCIRPOIDEA/POTENTILLA DIVERSIFOLIA C.T.	18	Cooper, S.V. & P. Lesica. 1992. Plant community classification for alpine vegetation on Beaverhead National Forest, MT.
CAREX SCOPULORUM PA	20	Cooper, S.V. & P. Lesica. 1992. Plant community classification for alpine vegetation on Beaverhead National Forest, MT.
CAREX SCOPULORUM SWAMP SERIES	20	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
CAREX SCOPULORUM/CALTHA LEPTOSEPALA C.T.	20	
CAREX SIMULATA PA	19	
CAREX SIMULATA SWAMP SERIES	19	
CAREX SPP ALPINE MEADOW SERIES	17	
CAREX SPP/GEUM ROSSII CT	17	
CASSIOPE MERTENSIANA/CAREX PAYSONIS C.T.	12	Cooper, S.V. & P. Lesica. 1992. Plant community classification for alpine vegetation on Beaverhead National Forest, MT.
CASSIOPE SPP EVERGREEN DWARF SCRUB SERIES	12	
CERATOIDES LANATA/STIPA COMATA P.A.	12	DeVelice, R.L., J. Lichthardt & P.S. Bourgeron. 1991. A preliminary classification of the plant communities of northeastern Montana.
CERCOCARPUS LEDIFOLIUS DECID. SCRUB SERIES	10	Mueggler, W.F. & W.L. Stewart. 1980. Grassland and shrubland habitat types of western Montana.
CERCOCARPUS LEDIFOLIUS/AGROPYRON SPICATUM P.A.	10	DeVelice, R.L. 1992. Classification of plant communities of Beaverhead, Silver Bow, and Madison Counties, Montana.
CERCOCARPUS LEDIFOLIUS/FESTUCA IDAHOENSIS PA	10	
CHASMOPHYTIC VEGETATION (ROOTING IN FISSURES)	21	
CHRYSOTHAMNUS NAUSEOSUS XERIC SCRUB SERIES	12	
CHRYSOTHAMNUS NAUSEOSUS/ERIOGONUM BREVICAULE C.T.	12	DeVelice, R.L. & P. Lesica. 1993. Plant community classification for Pryor Mountains, Carbon County, Montana.
CLOSED ALPINE (OR SUBPOLAR) MAT	18	

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CLOSED FORESTS	1	
COLD-DECIDUOUS ALLUVIAL FOREST	6	
COLD-DECIDUOUS FOREST WITH EVERGREEN NEEDLE-LEAVED TREES	6	
COLD-DECIDUOUS FORESTS WITH EVERGREEN TREES (OR SHRUBS)	6	
COLD-DECIDUOUS FORESTS WITHOUT EVERGREEN TREES	7	
COLD-DECIDUOUS SHRUBLANDS (OR THICKETS)	9	
COLD-DECIDUOUS WOODLANDS	6	
CORNUS STOLONIFERA CT	10	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
CORNUS STOLONIFERA DECID. SCRUB SERIES	10	
CRATAEGUS DOUGLASII C.T.	10	DUSEK, G.L. 1971. An inventory of vegetation, wildlife, and recreational resources of the Long Pines, Montana.
CRATAEGUS DOUGLASII DECID. SCRUB SERIES	10	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
CRATAEGUS SUCCULENTA CT	10	
CRATAEGUS SUCCULENTA DECID. SCRUB SERIES	10	
DECIDUOUS ALLUVIAL SHRUBLAND	11	
DECIDUOUS SUBDESERT DWARF-SHRUBLAND	12	
DECIDUOUS SUBDESERT DWARF-SHRUBLAND WITHOUT SUCCULENTS	13	
DECIDUOUS SUBDESERT SHRUBLAND WITHOUT SUCCULENTS	13	
DECIDUOUS SUBDESERT SHRUBLANDS	12	
DESCHAMPSIA CESPITOSA MID STEPPE SERIES	16	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
DESCHAMPSIA CESPITOSA PA	16	Cooper, S.V. & P. Lesica. 1992. Plant community classification for alpine vegetation on Beaverhead National Forest, MT.
DESCHAMPSIA CESPITOSA/CALTHA LEPTOSEPALA C.T.	18	MUEGGELER, W.F. & W.L. STEWART. 1980. Grassland and shrubland habitat types of western Montana.
DESCHAMPSIA CESPITOSA-CAREX SPP. H.T.	16	Cooper, S.V. & P. Lesica. 1992. Plant community classification for alpine vegetation on Beaverhead National Forest, MT.
DESCHAMPSIA CESPITOSA/POTENTILLA DIVERSIFOLIA C.T.	18	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
DESERTS AND OTHER SCARCELY VEGETATED AREAS	21	
DISTICHLIS SPICATA PA	20	
DISTICHLIS SPICATA SALT MEADOW SERIES	20	
DRYAS INTEGRIFOLIA ALPINE MEADOW SERIES	18	
DRYAS INTEGRIFOLIA/CAREX SPP P.A.	18	Bamberg, S.A. 1961. Plant ecology of alpine tundra areas in Montana and adjacent Wyoming.
DRYAS OCTOPETALA ALPINE MEADOW SERIES	18	
DRYAS OCTOPETALA/CAREX RUPESTRIS C.T.	18	Cooper, S.V. & P. Lesica. 1992. Plant community classification for alpine vegetation on Beaverhead National Forest, MT.
DRYAS OCTOPETALA/CAREX SPP C.T.	18	Bamberg, S.A. & J. Major. 1968. Ecology of the vegetation and soils associated with calcareous parent materials in the alpine region of Montana
DRYAS OCTOPETALA/POLYGONUM VIVIPARUM C.T.	18	Cooper, S.V. & P. Lesica. 1992. Plant community classification for alpine vegetation on Beaverhead National Forest, MT.
DULICHIMUM ARUNDINACEUM P.A.	19	
DULICHIMUM ARUNDINACEUM SWAMP SERIES	19	PIERCE, J.R. 1986. Wetland community types of west-central Montana.
DWARF-SCRUB AND RELATED COMMUNITIES	12	
ELEAGNUS COMMUTATA DECID. SCRUB SERIES	10	

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ELEAGNUS COMMUTATA P.A.	10	HARVEY, S.J. 1980. The potential and current vegetation of the Sun River Game Range, Montana.
ELEAGNUS COMMUTATA/AGROPYRON SMITHII P.A.	10	DeVelice, R.L., J. Lichthardt & P.S. Bourgeron. 1991. A preliminary classification of the plant communities of northeastern Montana.
ELEOCHARIS PALUSTRIS PA	19	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
ELEOCHARIS PALUSTRIS SWAMP SERIES	19	
ELEOCHARIS PAUCIFLORA PA	20	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
ELEOCHARIS PAUCIFLORA SWAMP SERIES	20	
ELYMUS CINEREUS P.A.	14	DeVelice, R.L. 1992. Classification of plant communities of Beaverhead, Silver Bow, and Madison Counties, Montana.
ELYMUS CINEREUS TALL STEPPE SERIES	14	MUEGGLER, W.F. & W.L. STEWART. 1980. Grassland and shrubland habitat types of western Montana.
ELYMUS CINEREUS/AGROPYRON SMITHII H.T.	14	Ross, R.L., E.P. Murray & J.G. Haigh. 1973. Soil and vegetation inventory of near-pristine sites, Montana.
ELYMUS CINEREUS/FESTUCA IDAHOENSIS C.T.	14	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
EQUISETUM FLUVIATILE FORB SERIES	20	
EQUISETUM FLUVIATILE PA	20	
ERIGONUM PAUCIFLORUM XERIC DWARF SCRUB SERIES	13	
EVERGREEN (NONGIANT) CONIFER FOREST WITH CONICAL CROWNS	2	
EVERGREEN (NONGIANT) CONIFEROUS FOREST WITH ROUNDED CROWNS	1	
EVERGREEN CONIFEROUS WOODLANDS WITH CONICAL CROWNS	5	
EVERGREEN CONIFEROUS WOODLANDS WITH ROUNDED CROWNS	5	
EVERGREEN DWARF-SHRUBLANDS	12	
EVERGREEN MICROPHYLLLOUS SHRUBLAND	9	
EVERGREEN MOSAIC DWARF-SHRUBLAND	12	
EVERGREEN NEEDLE-LEAVED AND MICROPHYLLLOUS SHRUBLANDS	12	
EVERGREEN NEEDLE-LEAVED THICKET (OR SHRUBLAND)	12	
EVERGREEN NEEDLE-LEAVED WOODLANDS	5	
EXTREMELY XEROMORPHIC (SUBDESERT) SHRUBLANDS	12	
EXTREMELY XEROMORPHIC DWARF-SHRUBLANDS	13	
FESTUCA IDAHOENSIS ALPINE MEADOW SERIES	18	
FESTUCA IDAHOENSIS MID STEPPE SERIES	16	
FESTUCA IDAHOENSIS-AGROPYRON CANINUM H.T.	16	MUEGGLER, W.F. & W.L. STEWART. 1980. Grassland and shrubland habitat types of western Montana.
FESTUCA IDAHOENSIS-AGROPYRON SMITHII H.T.	16	MUEGGLER, W.F. & W.L. STEWART. 1980. Grassland and shrubland habitat types of western Montana.
FESTUCA IDAHOENSIS/AGROPYRON SPICATUM H.T.	16	MUEGGLER, W.F. & W.L. STEWART. 1980. Grassland and shrubland habitat types of western Montana.
FESTUCA IDAHOENSIS-CAREX FILIFOLIA H.T.	18	MUEGGLER, W.F. & W.L. STEWART. 1980. Grassland and shrubland habitat types of western Montana.
FESTUCA IDAHOENSIS-CAREX HELIOPHILA H.T.	16	HANSEN, P.L. 1985. An ecological study of the vegetation of the Grand River/Cedar River, Sioux, and Ashland districts of the Custer National Forest.
FESTUCA IDAHOENSIS-CAREX SCIRPOIDEA H.T.	18	MUEGGLER, W.F. & W.L. STEWART. 1980. Grassland and shrubland habitat types of western Montana.



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FESTUCA IDAHOENSIS-DESCHAMPSIA CESPITOSA H.T.	18	MUEGGLER, W.F. & W.L. STEWART. 1980. Grassland and shrubland habitat types of western Montana.
FESTUCA IDAHOENSIS-LEUCOPOA KINGII P.A.	18	MTNHP (Unpublished Information)
FESTUCA IDAHOENSIS/POTENTILLA DIVERSIFOLIA C.T.	18	Cooper, S.V. & P. Lesica. 1992. Plant community classification for alpine vegetation on Beaverhead National Forest, MT.
FESTUCA IDAHOENSIS-STIPA COMATA	21	
FESTUCA IDAHOENSIS-STIPA RICHARDSONII H.T.	17	MUEGGLER, W.F. & W.L. STEWART. 1980. Grassland and shrubland habitat types of western Montana.
FESTUCA SCABRELLA MID STEPPE SERIES	17	
FESTUCA SCABRELLA PA	16	
FESTUCA SCABRELLA/AGROPYRON SPICATUM H.T.	17	MUEGGLER, W.F. & W.L. STEWART. 1980. Grassland and shrubland habitat types of western Montana.
FESTUCA SCABRELLA/DESCHAMPSIA CAESPITOSA	21	
FESTUCA SCABRELLA/FESTUCA IDAHOENSIS H.T.	17	MUEGGLER, W.F. & W.L. STEWART. 1980. Grassland and shrubland habitat types of western Montana.
FESTUCA SCABRELLA-STIPA VIRIDULA	21	
FORB VEGETATION AND SIMILAR COMMUNITIES	20	
FRAXINUS PENNSYLVANICA ALLUVIAL DECID. FOR. SERIES	7	
FRAXINUS PENNSYLVANICA WOODLAND SERIES	6	
FRAXINUS PENNSYLVANICA-ULMUS AMERICANA/PRUNUS VIRGINIANA PA	7	
FRAXINUS PENNSYLVANICA/PRUNUS VIRGINIANA PA	6	
FREE-FLOATING (NON-ROOTED) FRESH WATER COMMUNITIES]	21	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
GLYCERIA BOREALIS MID STEPPE SERIES	17	
GLYCERIA BOREALIS PA	17	
GUTIERREZIA SAROTHRAE MID STEPPE SERIES	15	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
GUTIERREZIA SAROTHRAE/AGROPYRON DASYSTACHYUM CT	15	
GUTIERREZIA SAROTHRAE/AGROPYRON SPICATUM CT	15	
HERBACEOUS AND HALF-WOODY SALT SWAMPS	20	
HORDEUM JUBATUM CT	20	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
HORDEUM JUBATUM SALT MEADOW SERIES	20	
INLAND SALT MEADOW	20	
JUNCUS BALTICUS CT	19	
JUNCUS BALTICUS SWAMP SERIES	19	
JUNCUS DRUMMONDII/ANTENNARIA LANATA C.T.	18	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
JUNCUS PARRYI/ERIGERON URSINUS C.T.	18	Cooper, S.V. & P. Lesica. 1992. Plant community classification for alpine vegetation on Beaverhead National Forest, MT.
JUNIPERUS HORIZONTALIS EVERGREEN DWARF SCRUB SERIES	12	Cooper, S.V. & P. Lesica. 1992. Plant community classification for alpine vegetation on Beaverhead National Forest, MT.
JUNIPERUS HORIZONTALIS/ANDROPOGON SCOPARIUS P.A.	12	DeVelice, R.L., J. Lichthardt & P.S. Bourgeron. 1991. A preliminary classification of the plant communities of northeastern Montana.
JUNIPERUS HORIZONTALIS/CAREX HELIOPHILA H.T.	12	HANSEN, P.L. 1985. An ecological study of the vegetation of the Grand River/Cedar River, Sioux, and Ashland districts of the Custer National Forest.
JUNIPERUS OSTEOSPERMA EVERGREEN SCRUB SERIES	9	
JUNIPERUS OSTEOSPERMA-CERCOCARPUS LEDIFOLIUS C.T.	9	DeVelice, R.L. & P. Lesica. 1993. Plant community classification for Pryor Mountains, Carbon County, Montana.

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JUNIPERUS OSTEOSPERMA/AGROPYRON SPICATUM C.T.	9	DeVelice, R.L. & P. Lesica. 1993. Plant community classification for Pryor Mountains, Carbon County, Montana.
JUNIPERUS OSTEOSPERMA/ARTEMISIA TRIDENTATA C.T.	9	DeVelice, R.L. & P. Lesica. 1993. Plant community classification for Pryor Mountains, Carbon County, Montana.
JUNIPERUS SCOPULORUM WOODLAND SERIES	5	
JUNIPERUS SCOPULORUM/AGROPYRON SPICATUM H.T.	5	HANSEN, P.L. 1985. An ecological study of the vegetation of the Grand River/Cedar River, Sioux, and Ashland districts of the Custer National Forest.
JUNIPERUS SCOPULORUM/ARTEMISIA NOVA CT	5	DeVelice, R.L. & P. Lesica. 1993. Plant community classification for Pryor Mountains, Carbon County, Montana.
JUNIPERUS SCOPULORUM/ARTEMISIA TRIDENTATA PA	5	DeVelice, R.L. 1992. Classification of plant communities of Beaverhead, Silver Bow, and Madison Counties, Montana.
JUNIPERUS SCOPULORUM-CERCOCARPUS LEDIFOLIUS P.A.	5	DeVelice, R.L. 1992. Classification of plant communities of Beaverhead, Silver Bow, and Madison Counties, Montana.
JUNIPERUS SCOPULORUM/CORNUS STOLONIFERA HT	5	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
JUNIPERUS SCOPULORUM/ORYZOPSIS MICRANTHA HT	5	HANSEN, P.L. 1985. An ecological study of the vegetation of the Grand River/Cedar River, Sioux, and Ashland districts of the Custer National Forest.
KALMIA MICROPHYLLA EVERGREEN DWARF SCRUB SERIES	12	
KALMIA MICROPHYLLA/CAREX SCOPULORUM PA	12	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
KALMIA MICROPHYLLA/ELEOCHARIS PALUSTRIS-ERTOPHOR.CHAMISSONIS	22	
LARIX LYALLII C.T.	7	Arno, S.F. & J.R. Habeck. 1972. Ecology of alpine larch (Larix lyallii Parl.) in the Pacific Northwest.
LARIX LYALLII MIXED FOREST SERIES	6	
LARIX LYALLII SUBALPINE DECID. FOR. SERIES	7	
LARIX LYALLII/ABIES LASIOCARPA PA	6	
LEMNA MINOR AQUATIC SERIES	21	
LEMNA-TYPES FREE-FLOATING COMMUNITIES	21	
LEUCOPOA KINGII ALPINE MEADOW SERIES	18	
LEUCOPOA KINGII PA	18	
LEUCOPOA KINGII/OXYTROPIS CAMPESTRIS C.T.	18	Cooper, S.V. & P. Lesica. 1992. Plant community classification for alpine vegetation on Beaverhead National Forest, MT.
LOW-SEGE SWAMP (FLOODED LITTLE OR ONLY FOR SHORT PERIODS)	20	
LOWLAND AND SUBMONTANE SCREE FORMATION	21	
MAINLY DECIDUOUS DWARF-SCRUB	13	
MAINLY DECIDUOUS FORESTS	6	
MAINLY DECIDUOUS SCRUB	9	
MAINLY DECIDUOUS WOODLANDS	6	
MAINLY EVERGREEN DWARF-SCRUB	13	
MAINLY EVERGREEN FORESTS	1	
MAINLY EVERGREEN SCRUB	12	
MAINLY EVERGREEN SUBDESERT DWARF-SHRUBLAND	13	
MAINLY EVERGREEN SUBDESERT SHRUBLANDS	12	
MAINLY EVERGREEN WOODLANDS	5	
MAINLY PERENNIAL FORB COMMUNITIES	20	
MEADOWS, PASTURES OR RELATED GRASSLANDS	17	

Plant Community (CT) / Association (PA) Name Alphabetically Arranged, Includes UNESCO Designations	Page # for Community Type on Rank/RA Matrix	Primary Source for CT/PA Designation
MID-GRASS STEPPE WITH SHRUBS	14	
MID-GRASS STEPPE WITHOUT WOODY PLANTS	16	
MID-GRASS STEPPES	14	
MIXED COLD-DECIDUOUS AND EVERGREEN CAESPITOSE DWARF-THICKET	13	
MIXED COLD-DECIDUOUS AND EVERGREEN DWARF-THICKETS	13	
MIXED EVERGREEN DWARF-SCRUB AND HERBACEOUS FORMATIONS	12	
MONTANE OR BOREAL COLD-DECIDUOUS FOREST	6	
MONTANE SCREE FORMATION	21	
OTHER	22	
PANICUM VIRGATUM MID STEPPE SERIES	17	
PANICUM VIRGATUM P.A.	17	
PARTIALLY EVERGREEN DWARF-SCRUB AND HERB MIXED FORMATIONS	12	
PASTURES AND MEADOWS ABOVE MOUNTAIN TREE LINE	17	
PERENNIAL FORB FORMATION ON ORGANIC DEPOSITS AT FLOOD LINES	20	
PHALARIS ARUNDINACEA CT	14	
PHALARIS ARUNDINACEA TALL STEPPE SERIES	14	
PHRAGMITES AUSTRALIS PA	14	
PHYLLODOCE EMPETRIFORMIS/ANTENNARIA LANATA C.T.	12	
PHYLLODOCE SPP EVERGREEN DWARF SCRUB SERIES	12	
PICEA SP/ARNICA CORDIFOLIA PA	3	
PICEA SP/CALAMAGROSTIS CANADENSIS PA	3	
PICEA SP/CALTHA LEPTOSEPALA PA	3	
PICEA SP/CAREX DISPERMA PA	3	
PICEA SP/CLINTONIA UNIFLORA PA	3	
PICEA SP/CORNUS STOLONIFERA PA	3	
PICEA SP/EQUISETUM ARVENSE PA	3	
PICEA SP/GALIUM TRIFLORUM PA	3	
PICEA SP/HYPNUM REVOLUTUM PA	3	
PICEA SP/JUNIPERUS COMMUNIS PA	3	
PICEA SP/LINNAEA BOREALIS PA	3	
PICEA SP/LYSTICHITON AMERICANUM PA	3	
PICEA SP/PHYSCOCARPUS MALVACEUS PA	3	
PICEA SP/SENECIO STREPTANTHIFOLIUS PA	3	
PICEA SP/SMILACINA STELLATA PA	3	
PICEA SP/VACCINIUM CESPITOSUM PA	3	
PICEA SP/VACCINIUM SCOPARIUM PA	3	
PICEA SPP FOREST SERIES	3	
PINUS ALBICAULIS FOREST SERIES	1	
PINUS ALBICAULIS PA	1	
PINUS ALBICAULIS/ABIES LASIOCARPA PA	1	
PINUS ALBICAULIS/CAREX GEYERI H.T.	1	
PINUS ALBICAULIS/CAREX ROSSII PA	1	
PINUS ALBICAULIS/FESTUCA IDAHOENSIS P.A.	1	

Plant Community (CT) / Association (PA) Name Alphabetically Arranged, Includes UNESCO Designations	Page # for Community Type	Primary Source for CT/PA Designation
PINUS ALBICAULIS/VACCINIUM SCOPARIUM H.T.	1	COOPER, S.V. 1975. Forest habitat types of northwestern Wyoming and contiguous portions of Montana and Idaho.
PINUS CONTORTA FOREST SERIES	1	
PINUS CONTORTA MONTANE SCREE SERIES	21	
PINUS CONTORTA WOODLAND SERIES	5	
PINUS CONTORTA/ARCTOSTAPHYLOS UVA-URSI CT	1	
PINUS CONTORTA/ARNICA CORDIFOLIA CT	1	
PINUS CONTORTA/CALAMAGROSTIS RUBESCENS CT	1	
PINUS CONTORTA/CAREX GEYERI CT	1	PFISTER, R.D., B.K. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
PINUS CONTORTA/CAREX ROSSII CT	1	
PINUS CONTORTA/CEANOETHUS VELUTINUS CT	1	
PINUS CONTORTA/JUNIPERUS COMMUNIS H.T.	1	Roberts, D.W. 1980. Forest habitat types of the Bear's Paw and Little Rocky Mountains, Montana
PINUS CONTORTA/LINNAEA BOREALIS CT		PFISTER, R.D., B.K. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
PINUS CONTORTA/PURSHIA TRIDENTATA PA	5	PFISTER, R.D., B.K. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
PINUS CONTORTA/SCREE C.T.	21	PFISTER, R.D., B.K. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
PINUS CONTORTA/SPIRAEA BETULIFOLIA CT	1	MTNHP (Unpublished Information)
PINUS CONTORTA/VACCINIUM CESPITOSUM CT	1	
PINUS CONTORTA/VACCINIUM GLOBULARE CT	1	
PINUS CONTORTA/VACCINIUM SCOPARIUM CT	1	PFISTER, R.D., B.K. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
PINUS CONTORTA/XEROPHYLLUM TENAX C.T.	1	PFISTER, R.D., B.K. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
PINUS FLEXILIS MONTANE SCREE SERIES	21	PFISTER, R.D., B.K. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
PINUS FLEXILIS WOODLAND SERIES	5	
PINUS FLEXILIS/AGROPYRON SPICATUM PA	5	
PINUS FLEXILIS/CERCOCARPUS LEDIFOLIUS P.A.	5	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
PINUS FLEXILIS/FESTUCA IDAHOENSIS PA	5	MTNHP (Unpublished Information)
PINUS FLEXILIS/FESTUCA SCABRELLA P.A.	5	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
PINUS FLEXILIS/JUNIPERUS COMMUNIS PA	5	Develice, R.L. & P. Lesica. 1993. Plant community classification for Pryor Mountains, Carbon County, Montana.
PINUS FLEXILIS/JUNIPERUS OSTEOSPHERA C.T.	5	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
PINUS FLEXILIS/SCREE PA	21	
PINUS PONDEROSA FOREST SERIES	1	
PINUS PONDEROSA MONTANE SCREE SERIES	21	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
PINUS PONDEROSA WOODLAND SERIES	5	Roberts, D.W. 1980. Forest habitat types of the Bear's Paw and Little Rocky Mountains, Montana
PINUS PONDEROSA/AGROPYRON SPICATUM PA	5	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
PINUS PONDEROSA/AMELANCHIER ALNIFOLIA H.T.	5	Roberts, D.W. 1980. Forest habitat types of the Bear's Paw and Little Rocky Mountains, Montana
PINUS PONDEROSA/ANDROPOGON SPP PA	5	
PINUS PONDEROSA/ARCTOSTAPHYLOS UVA-URSI H.T.	1	
PINUS PONDEROSA/Berberis repens HT	1	Roberts, D.W. 1980. Forest habitat types of the Bear's Paw and Little Rocky Mountains, Montana
PINUS PONDEROSA/CAREX GEYERI PA	1	

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PINUS PONDEROSA/CAREX HELIOPHILA H.T.	1	HANSEN, P.L. 1985. An ecological study of the vegetation of the Grand River/Cedar River, Sioux, and Ashland districts of the Custer National Forest.
PINUS PONDEROSA/CORNUS STOLONIFERA PA	5	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
PINUS PONDEROSA/FESTUCA IDAHOENSIS PA	1	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
PINUS PONDEROSA/FESTUCA SCABRELLA P.A.	1	MTNHP (Unpublished Information)
PINUS PONDEROSA/JUNIPERUS COMMUNIS H.T.	1	HANSEN, P.L. 1985. An ecological study of the vegetation of the Grand River/Cedar River, Sioux, and Ashland districts of the Custer National Forest.
PINUS PONDEROSA/JUNIPERUS HORIZONTALIS H.T.	1	Roberts, D.W. 1980. Forest habitat types of the Bear's Paw and Little Rocky Mountains, Montana
PINUS PONDEROSA-JUNIPERUS SCOPULORUM H.T.	1	Roberts, D.W., J.I. Sibbernson & R.D. Pfister. 1979. Forest and woodland habitat types of northcentral Montana. Vol 2: The Missouri River Breaks.
PINUS PONDEROSA/PHYSOCARPUS MALVACEUS H.T.	1	COOPER, S.V. & R.D. PFISTER. 1981. Forest habitat types of the Crow and Northern Cheyenne Indian Reservations.
PINUS PONDEROSA/PRUNUS VIRGINIANA PA	2	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
PINUS PONDEROSA/PURSHIA TRIDENTATA PA	5	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
PINUS PONDEROSA/QUERCUS MACROCARPA PA	5	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
PINUS PONDEROSA/SCREE PA	21	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
PINUS PONDEROSA/SPIRAEA BETULIFOLIA PA	2	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
PINUS PONDEROSA/SYMPHORICARPOS ALBUS PA	2	Roberts, D.W. 1980. Forest habitat types of the Bear's Paw and Little Rocky Mountains, Montana.
PINUS PONDEROSA/SYMPHORICARPOS OCCIDENTALIS H.T.	2	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
PINUS PONDEROSA/SYMPHORICARPOS PA	2	
POA PALUSTRIS CT	17	
POA PALUSTRIS MID STEPPE SERIES	17	
POA PRATENSIS CT	17	
POA PRATENSIS MID STEPPE SERIES	17	
POLYGONUM AMPHIBIAN <sup>CT</sup> M	20	POA PRATENSIS MID STEPPE SERIES
POLYGONUM AMPHIBIUM FORB SERIES	20	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
POLYGONUM BISTORTOIDES ALPINE MEADOW SERIES	18	
POPULUS ANGUSTIFOLIA ALLUVIAL DECID. FOR. SERIES	7	
POPULUS ANGUSTIFOLIA MIXED FOREST SERIES	6	
POPULUS ANGUSTIFOLIA/CORNUS STOLONIFERA CT	7	
POPULUS ANGUSTIFOLIA/POA PRATENSIS CT	7	
POPULUS DELTOIDES ALLUVIAL DECID. FOR. SERIES	8	
POPULUS DELTOIDES MIXED FOREST SERIES	6	
POPULUS DELTOIDES WOODLAND SERIES	6	
POPULUS DELTOIDES-FRAXINUS PENNSYLVANICA C.T.	7	
POPULUS DELTOIDES/CORNUS STOLONIFERA CT	7	
POPULUS DELTOIDES/POA PRATENSIS CT	7	
POPULUS TREMULOIDES MIXED FOREST SERIES	6	
POPULUS TREMULOIDES MONTANE DECID. FOR. SERIES	6	
POPULUS TREMULOIDES MONTANE SCREE SERIES	21	MTNHP (Unpublished Information)
POPULUS TREMULOIDES/PHYSOCARPUS MALVACEUS/AMELANCHIER ALNIFOLIA C	6	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.

Plant Community (CT) / Association (PA) Name Alphabetically Arranged, Includes UNESCO Designations	Page # for Community Type on Rank/RA Matrix	Primary Source for CT/PA Designation
POPULUS TREMULOIDES-POPULUS TRICHOCARPA-OSMORHIZA OCCIDENTALIS CT	7	COOPER, S.V. & R.D. PFISTER. 1981. Forest habitat types of the Blackfeet Indian Reservation. MTNHP (Unpublished Information)
POPULUS TREMULOIDES/AMELANCHIER ALIFOLIA CT	6	
POPULUS TREMULOIDES/BERBERIS REPENS PA	6	
POPULUS TREMULOIDES/CALAMAGROSTIS CANADENSIS HT	6	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
POPULUS TREMULOIDES/CALAMAGROSTIS RUBESCENS C.T.	6	COOPER, S.V. & R.D. PFISTER. 1981. Forest habitat types of the Blackfeet Indian Reservation.
POPULUS TREMULOIDES/CAREX GEYERI CT	6	
POPULUS TREMULOIDES/CORNUS STOLONIFERA HT	8	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
POPULUS TREMULOIDES/HERACLEUM LANATUM (SPONDYLIIUM) C.T.	7	MTNHP (Unpublished Information)
POPULUS TREMULOIDES/JUNIPERUS COMMUNIS CT	7	
POPULUS TREMULOIDES/OSMORHIZA OCCIDENTALIS HT	7	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
POPULUS TREMULOIDES/POA PRATENSIS C.T.	7	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
POPULUS TREMULOIDES/POA PRATENSIS CT	7	
POPULUS TREMULOIDES/PRUNUS VIRGINIANA CT	7	MTNHP (Unpublished Information)
POPULUS TREMULOIDES/SPIRAEA BETULIFOLIA C.T.	7	COOPER, S.V. & R.D. PFISTER. 1985. Forest habitat types of the Blackfeet Indian Reservation.
POPULUS TREMULOIDES/SYMPHORICARPOS ALBUS C.T.	7	DORN, R.D. 1969. Relations of moose, cattle and willows in southwestern Montana. MTNHP (Unpublished Information)
POPULUS TREMULOIDES/SYMPHORICARPOS OREOPHILUS C.T.	7	
POPULUS TREMULOIDES/TALL FORB C.T.	7	
POPULUS TRICHOCARPA ALLUVIAL DECID. FOR. SERIES	8	
POPULUS TRICHOCARPA SERIES	6	
POPULUS TRICHOCARPA WOODLAND SERIES	6	
POPULUS TRICHOCARPA/BETULA Papyrifera C.T.	8	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESSBY. 1977. Forest habitat types of Montana.
POPULUS TRICHOCARPA/CORNUS STOLONIFERA C.T.	8	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
POPULUS TRICHOCARPA/POA PRATENSIS C.T.	8	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
POTAMOGETON spp AQUATIC SERIES	21	
POTENTILLA FRUTICOSA DECID. SCRUB SERIES	10	
POTENTILLA FRUTICOSA MID STEPPE SERIES	15	
POTENTILLA FRUTICOSA/CAREX spp C.T.	10	
POTENTILLA FRUTICOSA/DESCHAMPSIA CESPITOSA HT	10	LEE, L.C. & C.J. JONKEL. 1980. The vegetation structure and ecology of grizzly bear habitat in the Pine and Antelope Butte wetlands, Montana.
POTENTILLA FRUTICOSA/FESTUCA IDAHOENSIS H.T.	15	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
POTENTILLA FRUTICOSA/FESTUCA SCABRELLA H.T.	15	Mueggler, W.F. & W.L. Stewart. 1980. Grassland and shrubland habitat types of western Montana. Mueggler, W.F. & W.L. Stewart. 1980. Grassland and shrubland habitat types of western Montana.
PRUNUS AMERICANA DECID. SCRUB SERIES	10	
PRUNUS VIRGINIANA C.T.	10	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
PRUNUS VIRGINIANA DECID. SCRUB SERIES	10	
PSEUDOTSUGA MENZIESII FOREST SERIES	3	
PSEUDOTSUGA MENZIESII MONTANE SCREE SERIES	21	
PSEUDOTSUGA MENZIESII WOODLAND SERIES	5	
PSEUDOTSUGA MENZIESII-JUNIPERUS OSTEOSPERMA C.T.	6	DeVelice, R.L. & P. Lesica. 1993. Plant community classification for BLM Lands, Pryor Mountains, Carbon Co., MT.

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PSEUDOTSUGA MENZIESII-PHYSOCARPUS MALVACEUS-CAMELANCHIER ALNIFOLI	4	
PSEUDOTSUGA MENZIESII-PINUS CONTORTA/CALAMAGROSTIS RUBESCENS CT	4	
PSEUDOTSUGA MENZIESII-PINUS FLEXILIS/LEUCOPOA KINGII H.T.	6	COOPER, S.V. 1975. Forest habitat types of northwestern Wyoming and contiguous portions of Montana and Idaho.
PSEUDOTSUGA MENZIESII/AGROPYRON SPICATUM PA	5	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977. Forest habitat types of Montana.
PSEUDOTSUGA MENZIESII/AMELANCHIER ALNIFOLIA H.T.	3	Roberts, D.W. 1980. Forest habitat types of the Bear's Paw and Little Rocky Mountains, Montana
PSEUDOTSUGA MENZIESII/ANDROPOGON SCOPARIUS PA	5	DOUGLAS FIR/LITTLE BLUESTEM ASSOCIATION
PSEUDOTSUGA MENZIESII/ARCTOSTAPHYLOS UVA-URSI PA	3	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
PSEUDOTSUGA MENZIESII/ARNICA CORDIFOLIA PA	3	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
PSEUDOTSUGA MENZIESII/BERBERIS REPENS H.T.	3	Roberts, D.W. 1980. Forest habitat types of the Bear's Paw and Little Rocky Mountains, Montana
PSEUDOTSUGA MENZIESII/CALAMAGROSTIS RUBESCENS PA	4	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
PSEUDOTSUGA MENZIESII/CAREX GEYERI PA	4	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
PSEUDOTSUGA MENZIESII/CERCOCARPUS LEDIFOLIUS C.T.	5	DeVelice, R.L. 1992. Classification of the plant communities of Beaverhead, Silver Bow & Madison Counties, MT.
PSEUDOTSUGA MENZIESII/CORNUS CANADENSIS H.T.	4	Roberts, D.W. 1980. Forest habitat types of the Bear's Paw and Little Rocky Mountains, Montana
PSEUDOTSUGA MENZIESII/CORNUS STOLONIFERA H.T.	5	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
PSEUDOTSUGA MENZIESII/FESTUCA IDAHOENSIS PA	6	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
PSEUDOTSUGA MENZIESII/FESTUCA SCABRELLA PA	6	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
PSEUDOTSUGA MENZIESII/JUNIPERUS COMMUNIS PA	4	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
PSEUDOTSUGA MENZIESII-JUNIPERUS SCOPULORUM H.T.	6	Roberts, D.W., J.I. Sibbensen & R.D. Pfister. 1979. Forest and woodland habitat types of northcentral Montana. Vol 2: The Missouri River Breaks.
PSEUDOTSUGA MENZIESII/LINNAEA BOREALIS PA	4	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
PSEUDOTSUGA MENZIESII/MUHLBERGIA CUSPIDATA H.T.	4	Roberts, D.W., J.I. Sibbensen & R.D. Pfister. 1979. Forest and woodland habitat types of northcentral Montana.
PSEUDOTSUGA MENZIESII/PHYSOCARPUS MALVACEUS PA	4	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
PSEUDOTSUGA MENZIESII/PURSHIA TRIDENTATA P.A.	6	MTNHP (Unpublished Information)
PSEUDOTSUGA MENZIESII/SCREE PA	21	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
PSEUDOTSUGA MENZIESII/SPIRAEA BETULIFOLIA PA	4	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
PSEUDOTSUGA MENZIESII/SYMPHORICARPOS ALBUS PA	4	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
PSEUDOTSUGA MENZIESII/SYMPHORICARPOS OCCIDENTALIS H.T.	4	Roberts, D.W. 1980. Forest habitat types of the Bear's Paw and Little Rocky Mountains, Montana
PSEUDOTSUGA MENZIESII/SYMPHORICARPOS OREOPHILUS PA	4	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
PSEUDOTSUGA MENZIESII/VACCINIUM CESPITOSUM OPEN PARK CT	4	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
PSEUDOTSUGA MENZIESII/VACCINIUM CESPITOSUM PA	4	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
PSEUDOTSUGA MENZIESII/VACCINIUM GLOBULARE PA	4	Roberts, D.W. 1980. Forest habitat types of the Bear's Paw and Little Rocky Mountains, Montana
PSEUDOTSUGA MENZIESII/VIOLA CANADENSIS H.T.	4	
PURSHIA TRIDENTATA DECID. SCRUB SERIES	10	
PURSHIA TRIDENTATA MID STEPPE SERIES	15	
PURSHIA TRIDENTATA/AGROPYRON SPICATUM H.T.	15	MUEGGELER, W.F. & W.L. STEWART. 1980. Grassland and shrubland habitat types of western Montana.

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PSEUDOTSUGA MENZIESII-PHYSOCARPUS MALVACEUS-(AMELANCHIER ALNIFOLIA PSEUDOTSUGA MENZIESII-PINUS CONTORTA/CALAMAGROSTIS RUBESCENS CT PSEUDOTSUGA MENZIESII-PINUS FLEXILIS/LEUCOPOA KINGII H.T.	4 4 6	COOPER, S.V. 1975. Forest habitat types of northwestern Wyoming and contiguous portions of Montana and Idaho. PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977. Forest habitat types of Montana. Roberts, D.W. 1980. Forest habitat types of the Bear's Paw and Little Rocky Mountains, Montana
PSEUDOTSUGA MENZIESII/AGROPYRON SPICATUM PA	5	DOUGLAS FIR/LITTLE BLUESTEM ASSOCIATION
PSEUDOTSUGA MENZIESII/AMELANCHIER ALNIFOLIA H.T.	3	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977. PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977. Roberts, D.W. 1980. Forest habitat types of the Bear's Paw and Little Rocky Mountains, Montana
PSEUDOTSUGA MENZIESII/ANDROPOGON SCOPARIUS PA PSEUDOTSUGA MENZIESII/ARCTOSTAPHYLOS UVA-URSI PA PSEUDOTSUGA MENZIESII/ARNICA CORDIFOLIA PA PSEUDOTSUGA MENZIESII/BERBERIS REPENS H.T.	5 3 3 3	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977. PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977. Develice, R.L. 1992. Classification of the plant communities of Beaverhead, Silver Bow & Madison Counties, MT. Roberts, D.W. 1980. Forest habitat types of the Bear's Paw and Little Rocky Mountains, Montana
PSEUDOTSUGA MENZIESII/CALAMAGROSTIS RUBESCENS PA PSEUDOTSUGA MENZIESII/CAREX GEYERI PA PSEUDOTSUGA MENZIESII/CERCOCARPUS LEDIFOLIUS C.T.	4 4 5	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977. PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977. Roberts, D.W. 1980. Forest habitat types of the Bear's Paw and Little Rocky Mountains, Montana
PSEUDOTSUGA MENZIESII/CORNUS CANADENSIS H.T.	4	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
PSEUDOTSUGA MENZIESII/CORNUS STOLONIFERA H.T. PSEUDOTSUGA MENZIESII/FESTUCA IDAHOENSIS PA PSEUDOTSUGA MENZIESII/FESTUCA SCABRELLA PA PSEUDOTSUGA MENZIESII/JUNIPERUS COMMUNIS PA PSEUDOTSUGA MENZIESII-JUNIPERUS SCOPULORUM H.T.	5 6 6 4 6	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977. PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977. PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977. Roberts, D.W., J.I. Sibbensen & R.D. Pfister. 1979. Forest and woodland habitat types of northcentral Montana. Vol 2: The Missouri River Breaks.
PSEUDOTSUGA MENZIESII/LINNAEA BOREALIS PA PSEUDOTSUGA MENZIESII/MUHLENBERGIA CUSPIDATA H.T.	4 4	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977. Roberts, D.W., J.I. Sibbensen & R.D. Pfister. 1979. Forest and woodland habitat types of northcentral Montana.
PSEUDOTSUGA MENZIESII/PHYSOCARPUS MALVACEUS PA PSEUDOTSUGA MENZIESII/PURSHIA TRIDENTATA P.A. PSEUDOTSUGA MENZIESII/SCREE PA PSEUDOTSUGA MENZIESII/SPIRAEA BETULIFOLIA PA PSEUDOTSUGA MENZIESII/SYMPHORICARPOS ALBUS PA PSEUDOTSUGA MENZIESII/SYMPHORICARPOS OCCIDENTALIS H.T.	4 6 21 4 4 4	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977. PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977. Roberts, D.W. 1980. Forest habitat types of the Bear's Paw and Little Rocky Mountains, Montana
PSEUDOTSUGA MENZIESII/SYMPHORICARPOS OREOPHILUS PA PSEUDOTSUGA MENZIESII/VACCINIUM CESPITOSUM OPEN PARK CT PSEUDOTSUGA MENZIESII/VACCINIUM CESPITOSUM PA PSEUDOTSUGA MENZIESII/VACCINIUM GLOBULARE PA PSEUDOTSUGA MENZIESII/VIOLA CANADENSIS H.T.	4 4 4 4 4	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977. PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977. Roberts, D.W. 1980. Forest habitat types of the Bear's Paw and Little Rocky Mountains, Montana
PURSHIA TRIDENTATA DECID. SCRUB SERIES PURSHIA TRIDENTATA MID STEPPE SERIES PURSHIA TRIDENTATA/AGROPYRON SPICATUM H.T.	10 15 15	MUEGLER, W.F. & W.L. STEWART. 1980. Grassland and shrubland habitat types of western Montana.



Plant Community (CT) / Association (PA) Name Alphabetically Arranged, Includes UNESCO Designations	Page # for Community Type on Rank/RA Matrix	Primary Source for CT/PA Designation
PURSHIA TRIDENTATA/FESTUCA IDAHOENSIS H.T.	15	MUEGGLER, W.F. & W.L. STEWART. 1980. Grassland and shrubland habitat types of western Montana.
PURSHIA TRIDENTATA/FESTUCA SCABRELLA H.T.	15	MUEGGLER, W.F. & W.L. STEWART. 1980. Grassland and shrubland habitat types of western Montana.
RHAMNUS ALNIFOLIA DECID. SCRUB SERIES	10	
RHUS AROMATICA DECID. SCRUB SERIES	10	
RHUS AROMATICA MID STEPPE SERIES	15	
RHUS AROMATICA TALL STEPPE SERIES	13	
RHUS TRILOBATA/AGROPYRON SPICATUM H.T.	15	
RHUS TRILOBATA/ANDROPOGON SCOPARIUS P.A.	15	MUEGGLER, W.F. & W.L. STEWART. 1980. Grassland and shrubland habitat types of western Montana.
RHUS TRILOBATA/CALAMOVILFA LONGIFOLIA P.A.	13	Culwell, L.D. & K.L. Scow. 1982a. Terrestrial vegetation inventory: Dominij project area, Custer Co., Montana, 1979-1980.
RHUS TRILOBATA/CAREX FILIFOLIA H.T.	15	MTNHP (Unpublished Information)
	15	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
RHUS TRILOBATA/FESTUCA IDAHOENSIS H.T.	15	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
ROOTED FLOATING-LEAF COMMUNITIES	21	Cooper, S.V. & P. Lesica. 1992. Plant community classification for alpine vegetation on Beaverhead National Forest, MT.
ROOTED FLOATING-LEAF FORMATIONS OF FRESH WATER LAKES	21	
ROSA WOODSII C.T.	10	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
ROSA WOODSII DECID. SCRUB SERIES	10	
SALICORNIA RUBRA CT	20	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
SALIX AMYGDALOIDES C.T.	6	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
SALIX AMYGDALOIDES WOODLAND SERIES	6	
SALIX ARCTICA/POLYGONUM BISTORTOIDES C.T.	13	
SALIX BEBBIANA ALLUVIAL SCRUB SERIES	11	
SALIX BEBBIANA C.T.	11	
SALIX CANDIDA/CAREX ROSTRATA H.T.	11	
SALIX DRUMMONDIANA ALLUVIAL SCRUB SERIES	11	
SALIX DRUMMONDIANA H.T.	11	
SALIX EXIGUA ALLUVIAL SCRUB SERIES	11	
SALIX EXIGUA C.T.	11	
SALIX FARRIAE ALLUVIAL SCRUB SERIES	11	
SALIX GEYERIANA ALLUVIAL SCRUB SERIES	11	
SALIX GEYERIANA/CALAMAGROSTIS CANADENSIS H.T.	11	
SALIX GEYERIANA/CAREX ROSTRATA H.T.	11	
SALIX GEYERIANA/DESCHAMPSIA CESPITOSA PA	11	
SALIX GEYERIANA/POA PRATENSIIS H.T.	11	
SALIX GLAUCA C.T.	11	
SALIX LASTANDRA C.T.	11	
SALIX LUTEA ALLUVIAL SCRUB SERIES	11	
SALIX LUTEA/CALAMAGROSTIS CANADENSIS H.T.	11	
SALIX LUTEA/CAREX ROSTRATA H.T.	11	

Plant Community (CT) / Association (PA) Name Alphabetically Arranged, Includes UNESCO Designations	Page # for Community Type	Primary Source for CT/PA Designation
SALIX LUTEA/POA PRATENSIS C.T.	11	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
SALIX PLANIFOLIA ALLUVIAL SCRUB SERIES	11	
SALIX PLANIFOLIA/CAREX AQUATILIS H.T.	11	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
SALIX RETICULATA DECIDUOUS DWARF SCRUB SERIES	13	Cooper, S.V. & P. Lesica. 1992. Plant community classification for alpine vegetation on Beaverhead National Forest, MT.
SALIX RETICULATA/CALTHA LEPTOSEPALA C.T.	13	
SALIX SPP SERIES	11	
SALIX WOLFII ALLUVIAL SCRUB SERIES	11	
SALIX WOLFII/CAREX AQUATILIS H.T.	11	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
SALIX WOLFII/DESCHAMPSIA CESPITOSA H.T.	11	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
SALT MEADOWS	21	
SARCOBATUS VERMICULATUS MID STEPPE SERIES	12	
SARCOBATUS VERMICULATUS XERIC SCRUB SERIES	12	
SARCOBATUS VERMICULATUS/AGROPYRON DASYSTACHYUM P.A.	12	Jorgensen, H.E. 1979. Vegetation of the Yellow Water Triangle, Montana.
SARCOBATUS VERMICULATUS/AGROPYRON SMITHII H.T.	15	MUEGGLER, W.F. & W.L. STEWART. 1980. Grassland and shrubland habitat types of western Montana.
SARCOBATUS VERMICULATUS/AGROPYRON SPICATUM H.T.	12	HANSEN, P.L. 1985. An ecological study of the vegetation of the Grand River/Cedar River, Sioux, and Ashland districts of the Custer National Forest.
SARCOBATUS VERMICULATUS/ARTEMISIA TRIDENTATA C.T.	12	DeVelice, R.L. & P. Lesica. 1993. Plant community classification on BLM lands, Pryor Mtns., Carbon Co., MT.
SARCOBATUS VERMICULATUS/ATRIPLEX NUTTALLII P.A.	12	DeVelice, R.L., J. Lichthardt & P.S. Bourgeron. 1991. A preliminary classification of the plant communities of northeastern Montana.
SARCOBATUS VERMICULATUS/ELYMUS CINEREUS H.T.	12	MUEGGLER, W.F. & W.L. STEWART. 1980. Grassland and shrubland habitat types of western Montana.
SCARCELY VEGETATED ROCKS	21	
SCARCELY VEGETATED ROCKS AND SCREES	21	
SCARCELY VEGETATED SCREES	21	
SCHIZACHYRIUM SCOPARIUM/ANDROPOGON HALLII	22	
SCIRPUS ACUTUS H.T.	19	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
SCIRPUS ACUTUS SWAMP SERIES	19	
SCIRPUS MARITIMUS H.T.	19	
SCIRPUS MARITIMUS SWAMP SERIES	19	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
SCIRPUS PUNGENS H.T.	19	
SCIRPUS PUNGENS SWAMP SERIES	19	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
SCRUB: SHRUBLANDS OR THICKETS	9	
SEDGE PEAT SWAMPS AND SIMILAR SWAMPS	19	
SEDGE SWAMPS AND FLUSHES	19	
SEMI-DECIDUOUS SUBDESERT DWARF-SHRUBLAND	13	
SEMI-DECIDUOUS SUBDESERT SHRUBLAND	12	
SENECIO TRIANGULARIS C.T.	20	
SHEPHERDIA ARGENTEA C.T.	11	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
SHEPHERDIA ARGENTEA DECID. SCRUB SERIES	10	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
SHORT-GRASS STEPPE WITH SHRUBS	17	
SHORT-GRASS STEPPE WITHOUT WOODY PLANTS	17	

Plant Community (CT) / Association (PA) Name Alphabetically Arranged, Includes UNESCO Designations	Page # for Community Type on Rank/RA Matrix	Primary Source for CT/PA Designation
SHORT-GRASS STEPPES	17	
SILENE ACAULIS ALPINE MEADOW SERIES	18	
SILENE ACAULIS MAT-CUSHION PLANT P.A.	18	BAMBERG, S.A. 1961. Plant ecology of alpine tundra areas in Montana and adjacent Wyoming.
SPARTINA PECTINATA H.T.	14	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
SPARTINA PECTINATA TALL STEPPE SERIES	14	
SPARTINA PECTINATA/CAREX SPP C.T.	14	Culwell, L.D. & K.L. Scow. 1982a. Terrestrial vegetation inventory: Dominy project area, Custer Co., Montana, 1979-1980.
SPARTINA PECTINATA/SCIRPUS PUNGENS PA	14	Culwell, L.D. & K.L. Scow. 1982a. Terrestrial vegetation inventory: Dominy project area, Custer Co., Montana, 1979-1980.
SPIRAEA DOUGLASII C.T.	11	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
SPOROBOLUS CRYPTANDRUS C.T.	17	DeVelice, R.L. & P. Lesica. 1993. Plant community classification for BLM lands, Pryor Mountains, Carbon Co., MT.
SPOROBOLUS CRYPTANDRUS MID-GRASS STEPPE SERIES	17	MUEGGLER, W.F. & W.L. STEWART. 1980. Grassland and shrubland habitat types of western Montana.
STEPES AND RELATED GRASSLANDS	13	
STIPA COMATA MID STEPPE SERIES	17	MUEGGLER, W.F. & W.L. STEWART. 1980. Grassland and shrubland habitat types of western Montana.
STIPA COMATA/BOUTELOUA GRACILIS H.T.	17	
STIPA COMATA/CALAMOVILFA LONGIFOLIA	22	
STIPA COMATA/CAREX FILIFOLIA H.T.	17	HANSEN, P.L. 1985. An ecological study of the vegetation of the Grand River/Cedar River, Sioux, and Ashland districts of the Custer National Forest.
STIPA COMATA/CAREX HELIOPHILA H.T.	17	HANSEN, P.L. 1985. An ecological study of the vegetation of the Grand River/Cedar River, Sioux, and Ashland districts of the Custer National Forest.
STIPA COMATA/KOELERIA MACRANTHA	22	
STIPA COMATA/PASCOPYRUM SMITHII	22	
SUBALPINE OR SUBPOLAR COLD-DECIDUOUS FOREST	6	
SYMPHORICARPOS ALBUS DECID. SCRUB SERIES	11	
SYMPHORICARPOS OCCIDENTALIS C.T.	11	
SYMPHORICARPOS OCCIDENTALIS DECID. SCRUB SERIES	11	
TALL-GRASS STEPPE WITH SHRUBS	13	
TALL-GRASS STEPPE WITHOUT WOODY PLANTS	13	
TALL-GRASS STEPPES	13	
TALL-SEDGE SWAMP (FREQUENTLY FLOODED)	19	
TEMPERATE & SUBPOLAR FRESH WATER ROOTED FLOATING-LEAF TYPES	21	
TEMPERATE AND SUBPOLAR EVERGREEN CONIFEROUS FORESTS	1	
TEMPERATE DECIDUOUS THICKET (OR SHRUBLAND)	9	
TEMPERATE LEMNA-TYPE FREE-FLOATING FORMATION	21	
TEMPERATE REED-SWAMP ON RIVER BANKS	19	
TERRESTRIAL HERBACEOUS COMMUNITIES	20	
THUJA PPLICATA FOREST SERIES	4	
THUJA PPLICATA/ASARUM CAUDATUM PA	4	
THUJA PPLICATA/ATHYRIUM FILIX-FEMINA H.T.	4	Scow, K.L., L.D. Culwell & L.A. Larsen. 1987. Vegetation inventory of the Rock Creek study area, Sanders County, Montana.
		HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.

Plant Community (CT) / Association (PA) Name Alphabetically Arranged, Includes UNESCO Designations	Page # for Community Type	Primary Source for CI/PA Designation
THUJA PLICATA/CLINTONIA UNIFLORA PA	4	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
THUJA PLICATA/GYMNOCARPIUM DRYOPTERIS H.T.	4	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
THUJA PLICATA/OPLOPAX HORRIDUM PA	4	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
TSUGA HETEROPHYLLA FOREST SERIES	4	
TSUGA HETEROPHYLLA/ASARUM CAUDATUM PA	4	Scow, K.L., L.D. Culwell & L.A. Larsen. 1987. Vegetation inventory of the Rock Creek study area, Sanders County, Montana.
TSUGA HETEROPHYLLA/CLINTONIA UNIFLORA PA	4	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
TSUGA HETEROPHYLLA/GYMNOCARPIUM DRYOPTERIS H.T.	4	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
TSUGA MERTENSIANA FOREST SERIES	4	MTNHP (Unpublished Information)
TSUGA MERTENSIANA/CLINTONIA UNIFLORA P.A.	4	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
TSUGA MERTENSIANA/LUZULA HITCHCOCKII PA	4	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
TSUGA MERTENSIANA/MENZIESIA FERRUGINEA PA	4	PFISTER, R.D., B.L. KOVALCHIK, S.F. ARNO & R.C. PRESBY. 1977.
TSUGA MERTENSIANA/XEROPHYLLUM TENAX PA	4	
TYPHA LATIFOLIA FORB SERIES	20	
TYPHA LATIFOLIA H.T.	11	HANSEN, P., K. BOGGS, R. PFISTER & J. JOY. 1991.
VACCINIUM OCCIDENTALE DECID. SCRUB SERIES	5	
WOODLANDS	18	
XEROPHYLLUM TENAX ALPINE MEADOW SERIES	15	
YUCCA GLAUCA MID STEPPE SERIES	13	
YUCCA GLAUCA TALL STEPPE SERIES	15	
YUCCA GLAUCA/AGROPYRON SPICATUM C.T.	13	
YUCCA GLAUCA/CALAMOVILFA LONGIFOLIA C.T.		

MTNHP (Unpublished Information)  
 Producers, R. 1978. Circle West (McDane Co.) vegetation baseline study:  
 final report.

MONTANA NATURAL HERITAGE PROGRAM  
State/Global Plant Communities/Associations Ranking for Bureau of Land Management

UNESCO Code	Plant Community or Association Name (arranged by UNESCO lifeform of decreasing stature, then alphabetically within lifeform)	Ranking S G	Butte *GR DL HW	BLM District Lewis & Clark Resource Area GF HV JD PH VY	Miles City BS BD PR	Minimum # plots
	<b>Closed, temperate, evergreen, coniferous, (nongiant) forest with rounded crowns</b>					
C1A9BBA0	PINUS ALBICAULIS FOREST SERIES	4, 5				09
C1A9BBAB0	PINUS ALBICAULIS FOREST SERIES	4, 5				03*
C1A9BBABM0	P. ALBICAULIS/CAREX GEYERI PA	4				20*
C1A9BBABN0	P. ALBICAULIS/CAREX ROSSII PA	4				03*
C1A9BBABO0	P. ALBICAULIS/FESTUCA IDAHOENSIS PA	4				09
C1A9BBACA0	P. ALBICAULIS/VACCINIUM SCOPARIUM PA	4				30
C1A9BBADA0	P. ALBICAULIS-ABIES LASIOCARPA PAS	5				
C1A9BCA0	PINUS CONTORTA FOREST SERIES					
C1A9BCABA0	P. CONTORTA/CALAMAGROSTIS RUBESCENS CT	5				06
C1A9BCABM0	P. CONTORTA/ARCTOSTAPHYLOS UVA-URSI CT	5				0?
C1A9BCABN0	P. CONTORTA/ARNICA CORDIFOLIA CT	5				0?
C1A9BCABO0	P. CONTORTA/CAREX GEYERI CT	5				0?
C1A9BCABP0	P. CONTORTA/CAREX ROSSII CT	5				0?
C1A9BCACA0	P. CONTORTA/CEANOTHUS VELUTINUS CT	5				0?
C1A9BCACM0	P. CONTORTA/JUNIPERUS COMMUNIS PA	5				09
C1A9BCADA0	P. CONTORTA/LINNAEA BOREALIS CT	5				17
C1A9BCADM0	P. CONTORTA/SPIRAEA BETULIFOLIA CT	5				0?
C1A9BCAEM0	P. CONTORTA/VACCINIUM CESPITOSUM CT	5				12
C1A9BCAFM0	P. CONTORTA/VACCINIUM GLOBULARE CT	5				0?
C1A9BCAFA0	P. CONTORTA/VACCINIUM SCOPARIUM CT	5				20
C1A9BCAGA0	P. CONTORTA/XEROPHYLLUM TENAX CT	5				0?
C1A9BDA0	PINUS PONDEROSA FOREST SERIES					
C1A9BDABA0	P. PONDEROSA/AMELANCHIER ALNIFOLIA PA	2				02
C1A9BDACA0	P. PONDEROSA/ARCTOSTAPHYLOS UVA-URSI PA	3				14
C1A9BDADA0	P. PONDEROSA/Berberis repens PA	3				05
C1A9BDADM0	P. PONDEROSA/CAREX GEYERI PA	4				0?
C1A9BDAEA0	P. PONDEROSA/FESTUCA IDAHOENSIS PA	4				14
C1A9BDDEM0	P. PONDEROSA/FESTUCA SCABRELLA PA	4				25
C1A9BDFA0	P. PONDEROSA/JUNIPERUS COMMUNIS PA	4				02
C1A9BDGAG0	P. PONDEROSA-J. SCOPULORUM PA	4				14+25
C1A9BDHA0	P. PONDEROSA/PHYSOCARPUS MALVACEUS PA	4				03 (07*)

Resource Area Codes: GR=Garnet, DL=Dillon, HW=Headwaters, GF=Great Falls, HV=Havre, JD=Judith, PH=Phillips, VY=Valley, BS=Billings, BD=Big Dry, PR=Powder River  
Occurrence Rating: S, documented as sampled in BCD or literature; P, high expectation of occurrence, H, hypothesized to occur; \_\_, no sample record and unlikely to occur based on environmental parameters

**MONTANA NATURAL HERITAGE PROGRAM**  
**State/Global Plant Communities/Associations Ranking for Bureau of Land Management**

UNESCO Code	Plant Community or Association Name (arranged by UNESCO lifeform of decreasing stature, then alphabetically within lifeform)	Ranking S G	Butte *GR DL HW	BLM District Lewistown Resource Area GF HV JD PH VY	Miles City BS BD PR	Minimum # Plots
C1A9BDAJA0	Closed, temperate, evergreen, coniferous and nongiant forest with rounded crowns (continued)	4	4			06+05
C1A9BDAJA0	PINUS PONDEROSA/PRUNUS VIRGINIANA PA	4	4	S	S	0?
C1A9BDAJA0	P. PONDEROSA/SPIRAEA BETULIFOLIA PA	SP	4			0?
C1A9BDAKA0	P. PONDEROSA/SYMPHORICARPOS ALBUS PA	3	5	S	S	11
C1A9BDALA0	P. PONDEROSA/S. OCCIDENTALIS PA	3	3	S	P	24
C1A9BDAMA0	P. PONDEROSA/SYMPHORICARPOS PA	?	?			0?
C1A9BDAJA0	Closed, temperate, evergreen, coniferous and nongiant forest with conical crowns					
C1A9CBA0	ABIES GRANDIS FOREST SERIES					
C1A9CBA0	ABIES GRANDIS/CLINTONIA UNIFLORA PA	4	4			16
C1A9CBA0	A./ASARUM CAUDATUM PA	SP	4			0?
C1A9CBA0	A./CALAMAGROSTIS RUBESCENS PA	3	4			0?
C1A9CBA0	A./LINNAEA BOREALIS PA	4	4			08
C1A9CBACA0	A./SENECIO TRIANGULARIS PA	2	3			0?
C1A9CBACF0	A./SPIRAEA BETULIFOLIA PA	2	3			0?
C1A9CBACM0	A./XEROPHYLLUM TENAX PA	SP	3Q			06
C1A9CBADA0	ABIES LASIOCARPA FOREST SERIES	4	4			
C1A9CCA0	A. LASIOCARPA/ACTAEA RUBRA	2	4	P	P	07
C1A9CCABA0	A. LASIOCARPA/ALNUS SINUATA PA	4	4			06
C1A9CCACA0	A. LASIOCARPA/ARNICA CORDIFOLIA PA	5	5			24
C1A9CCACM0	A. LASIOCARPA/A. LATIFOLIA PA	3	4		S	21*
C1A9CCADA0	A. LASIOCARPA/CALAMAGROSTIS CANADENSIS PA	5	5			35
C1A9CCAEA0	A. LASIOCARPA/C. RUBESCENS PA	5	5		P	8 (22)
C1A9CCAF0	A. LASIOCARPA/CAREX GEYERI PA	4	4		P	9
C1A9CCAGA0	A. LASIOCARPA/CLEMATIS PSEUDOALPINA PA	3	4		P	15
C1A9CCAHA0	A. LASIOCARPA/CLINTONIA UNIFLORA PA	5	5			103
C1A9CCAJA0	A. LASIOCARPA/GALIUM TRIFLORUM PA	4	4		P	34
C1A9CCAKA0	A. LASIOCARPA/JUNIPERUS COMMUNIS PA	5	5	S	P	01
C1A9CCAKM0	A. LASIOCARPA/LEDUM GLANDULOSUM PA	4	4			17
C1A9CCALA0	A. LASIOCARPA/LINNAEA BOREALIS PA	5	5	S		50
C1A9CCAMA0	A. LASIOCARPA/LUZULA HITCHCOCKII PA	5	5			53
C1A9CCANA0	A. LASIOCARPA/MENZIESIA FERRUGINEA PA	5	5			64
C1A9CCAPA0	A. LASIOCARPA/OPLOPAX HORRIDUM PA	5	5			04
C1A9CCAPA0	A. LASIOCARPA/OPLOPAX HORRIDUM PA S	2	3			

Resource Area Codes: GR=Garnet, DL=Dillon, HW=Headwaters, GF=Great Falls, HV=Havre, JD=Judith, PH=Phillips, VY=Valley, BS=Billings, BD=Big Dry, PR=Powder River

Occurrence Rating: S, documented by sample or literature on BLM land; P, high expectation of occurrence, H, hypothesized to occur; \_\_, no sample record and unlikely to occur based on environmental parameters

State/Global Plant Communities/Associations Ranking for Bureau of Land Management

UNESCO  
Code

Plant Community or Association Name  
(arranged by UNESCO lifeform of decreasing  
stature, then alphabetically within lifeform)

Closed, temperate, evergreen, coniferous and nongiant forests with conical crowns (cont.)

Area	Resource	Area Codes	GR=Garnet, DL=Dillon, HW=Headwaters, GF=Great Falls, HV=Havre, TM=Timberline	# plots
CL1A9CCAQA0	non-giant forests with conical crowns (cont.)			
CL1A9CCAQA0	A. LASIOCARPA/RIBES MONTIGENUM PA	4	5	06
CL1A9CCAQF0	A. LASIOCARPA/STREPTOPUS AMPLEXIFOLIUS PA	3	4	46
CL1A9CCAQM0	ABIES LASIOCARPA/SYMPHORICARPOS ALBUS PA	3	4	05
CL1A9CCAR0	A. LASIOCARPA/THALICTRUM OCCIDENTALE PA	3	5	16*
CL1A9CCATA0	A. LASIOCARPA/VACCINIUM CESPITOSUM PA	5	5	10
CL1A9CCAV0	A. LASIOCARPA/V. GLOBULARE PA	4	5	21
CL1A9CCAW0	A. LASIOCARPA/V. SCOPARIUM PA	5	5	37
CL1A9CCAX0	A. LASIOCARPA/V. XEROPHYLLUM TENAX PA	5	5	61
CL1A9CCAYA0	A. LASIOCARPA-PINUS ALBICAULIS/V. SCOPARIUM PA	5	5	44
CL1A9CDA///	PICEA SPP. FOREST SERIES			
CL1A9CDABA0	PICEA SP./CLINTONIA UNIFLORA PA	4	4	24
CL1A9CDABM0	PICEA SP./ARNICA CORDIFOLIA PA (engelmanii)	SP	5	17*
CL1A9CDABN0	PICEA SP./CALAMAGROSTIS CANADENSIS	3	3	20
CL1A9CDABO0	PICEA SP./CALTHA LEPTOSEPALA PA (engelmannii)	SP	4	10
CL1A9CDABP0	PICEA SP./CAREX DISPERMA (engelmannii)	SP	2	04*
CL1A9CDABQ0	PICEA SP./CORNUS STOLONIFERA	3	3	32
CL1A9CDACA0	PICEA SP./EQUISETUM ARVENSE PA	4	4	15
CL1A9CDADA0	PICEA SP./GALIUM TRIFLORUM PA	4	5	15
CL1A9CDADM0	PICEA SP./HYPNUM REVOLUTUM PA	SP	2	11*
CL1A9CDAEA0	PICEA SP./JUNIPERUS COMMUNIS PA	4	4	21*
CL1A9CDAF0	PICEA SP./LINNAEA BOREALIS PA	2	4	21
CL1A9CDAGA0	PICEA SP./LYSICHTON AMERICANUM PA	4	4	02
CL1A9CDAHA0	PICEA SP./PHYSOCARPUS MALVACEUS PA	2	2	06
CL1A9CDAJA0	PICEA SP./SENECIO STREPTANTHIFOLIUS PA	3	4	10
CL1A9CDAKA0	PICEA SP./SMILACINA STELLATA PA	4	4	10
CL1A9CDALA0	PICEA SP./VACCINIUM CESPITOSUM PA	4	4	05
CL1A9CDAMA0	PICEA SP./V. SCOPARIUM PA (engelmannii)	4	4	13
CL1A9CEA///	PSEUDOTSUGA MENZIESII FOREST SERIES	3P	4.5	
CL1A9CEABA0	P. MENZIESII/AMELANCHIER ALNIFOLIA PA	2	3	05
CL1A9CEACA0	P. MENZIESII/ARCTOSTAPHYLOS UVA-URSI PA	4	4	08
CL1A9CEADA0	P. MENZIESII/ARNICA CORDIFOLIA PA	4	5	13
CL1A9CEAEA0	P. MENZIESII/Berberis repens PA	3	5	05

Resource Area Codes: GR=Garnet, DL=Dillon, HW=Headwaters, GF=Great Falls, HV=Havre, JD=Judith, PH=Phillips, VV=Valley, BS=Billings, RD=Big Dry pp-Powder River

Occurrence Rating: S, documented as sampled in BCD or literature; P, high expectation of occurrence, H, hypothesized to occur; \_\_, no sample record and unlikely to occur based on environmental parameters

**MONTANA NATURAL HERITAGE PROGRAM**  
**State/Global Plant Communities/Associations Ranking for Bureau of Land Management**

UNESCO Code	Plant Community or Association Name (arranged by UNESCO lifeform of decreasing stature, then alphabetically within lifeform)	Ranking S G	Butte					BLM District Lewistown Resource Area					Miles City					Minimum # plots
			GR DL HW					GF HV JD PH VY					BS BD PR					
			S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
C1A9CEAFA0	PSEUDOTSUGA MENZIESII/CALAMAGROSTIS RUBESCENS PA	5	5	S	S	S	S	S	S	S	S	S	S	S	S	97		
C1A9CEAGA0	P. MENZIESII/CAREX GEYERI PA	4	5	S	S	S	S	S	S	S	S	S	S	S	S	10		
C1A9CEAGA0	P. MENZIESII/CORNUS CANADENSIS PA	3	3	S	S	S	S	S	S	S	S	S	S	S	S	23		
C1A9CEAJA0	P. MENZIESII/JUNIPERUS COMMUNIS PA	4	5	S	S	S	S	S	S	S	S	S	S	S	S	14		
C1A9CEALA0	P. MENZIESII/LINNAEA BOREALIS PA	4	4	S	S	S	S	S	S	S	S	S	S	S	S	30		
C1A9CEAMA0	P. MENZIESII/MUHLENBERGIA CUSPIDATA PA	2	2	S	S	S	S	S	S	S	S	S	S	S	S	14		
C1A9CEANA0	P. MENZIESII/PHYSOCARPUS MALVACEUS PA	5	5	S	S	S	S	S	S	S	S	S	S	S	S	53		
C1A9CEAPA0	P. MENZIESII/P. MALVACEUS-(A. ALNIFOLIA) PA	?	?	S	S	S	S	S	S	S	S	S	S	S	S	0?		
C1A9CEAQA0	P. MENZIESII/SPIRAEA BETULIFOLIA PA	4	5	S	S	S	S	S	S	S	S	S	S	S	S	11		
C1A9CEARA0	P. MENZIESII/SYMPHORICARPOS ALBUS PA	5	5	S	S	S	S	S	S	S	S	S	S	S	S	67		
C1A9CEATA0	P. MENZIESII/S. OCCIDENTALIS PA	3	3	S	S	S	S	S	S	S	S	S	S	S	S	07		
C1A9CEAVA0	P. MENZIESII/S. OREOPHILUS PA	3	5	S	S	S	S	S	S	S	S	S	S	S	S	02		
C1A9CEAWA0	P. MENZIESII/VACCINIUM CESPITOSUM PA	5	5	S	S	S	S	S	S	S	S	S	S	S	S	27		
C1A9CEAXA0	P. MENZIESII/V. GLOBULARE PA	5	5	S	S	S	S	S	S	S	S	S	S	S	S	40		
C1A9CEAXM0	P. MENZIESII/VIOLA CANADENSIS PA	3	3	S	S	S	S	S	S	S	S	S	S	S	S	17		
C1A9CEAYA0	P. MENZIESII-PINUS CONTORTA/C. RUBESCENS CT	?	?	S	S	S	S	S	S	S	S	S	S	S	S	0?		
C1A9CFA0	THUJA PLICATA FOREST SERIES																	
C1A9CFABA0	T. PLICATA/ASARUM CAUDATUM PA	1	4	S	S	S	S	S	S	S	S	S	S	S	S	63*		
C1A9CFABM0	T. PLICATA/ATHYRIUM FILIX-FEMINA PA	3	4	S	S	S	S	S	S	S	S	S	S	S	S	48*		
C1A9CFACA0	T. PLICATA/CLINTONIA UNIFLORA PA	4	5	S	S	S	S	S	S	S	S	S	S	S	S	31		
C1A9CFADA0	T. PLICATA/GYMNOCARPUM DRYOPTERIS PA	5	5	S	S	S	S	S	S	S	S	S	S	S	S	12*		
C1A9CFAEA0	T. PLICATA/OPLOPANAX HORRIDUM PA	5	5	S	S	S	S	S	S	S	S	S	S	S	S	11 (19)		
C1A9CGA0	TSUGA HETEROPHYLLA FOREST SERIES																	
C1A9CGABA0	T. HETEROPHYLLA/ASARUM CAUDATUM PA	2	5	S	S	S	S	S	S	S	S	S	S	S	S	49*		
C1A9CGACA0	T. HETEROPHYLLA/CLINTONIA UNIFLORA PA	2	5	S	S	S	S	S	S	S	S	S	S	S	S	38		
C1A9CGADA0	T. HETEROPHYLLA/GYMNOCARPUM DRYOPTERIS PA	2	4	S	S	S	S	S	S	S	S	S	S	S	S	24*		
C1A9CHA0	TSUGA MERTENSIANA FOREST SERIES																	
C1A9CHABM0	T. MERTENSIANA/CLINTONIA UNIFLORA PA	3	4	S	S	S	S	S	S	S	S	S	S	S	S	31*		
C1A9CHABA0	T. MERTENSIANA/LUZULA HITCHCOCKII PA	4	4	S	S	S	S	S	S	S	S	S	S	S	S	0?		
C1A9CHACA0	T. MERTENSIANA/MENZIESIA FERRUGINEA PA	4	4	S	S	S	S	S	S	S	S	S	S	S	S	10		
C1A9CHADA0	T. MERTENSIANA/XEROPHYLLUM TENAX PA	4	4	S	S	S	S	S	S	S	S	S	S	S	S	09		

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**MONTANA NATURAL HERITAGE PROGRAM**  
**State/Global Plant Communities/Associations Ranking for Bureau of Land Management**

UNESCO Code	Plant Community or Association Name (arranged by UNESCO lifeform of decreasing stature, then alphabetically within lifeform)	Ranking S G	Butte	BLM District Lewistown	Miles City	Minimum # plots
	<b>Mainly evergreen woodlands with needle-leaved trees with rounded crowns</b>					
C2A2ABA000	JUNIPERUS SCOPULORUM WOODLAND SERIES	Z				03+03
C2A2ABABA0	J. SCOPULORUM/AGROPYRON SPICATUM PA	4	S		P S	01
C2A2ABABD0	J. SCOPULORUM/ARTEMISIA NOVA CT	2			S	01
C2A2ABABM0	J. SCOPULORUM/ARTEMISIA TRIDENTATA PA	2?	S			03
C2A2ABABN0	J. SCOPULORUM/CERCOCARPUS LEDIFOLIUS PA	4	S			27
C2A2ABAAAM0	J. SCOPULORUM/CORNUS STOLONIFERA PA	4	S			06+03
C2A2ABACA0	J. SCOPULORUM/ORYZOPSIS MICRANTHA PA	3		H H	P S	03
C2A2ACAAA0	P. CONTORTA WOODLAND SERIES	3				06+01
C2A2ACABA0	P. CONTORTA/PURSHIA TRIDENTATA PA	3				02
C2A2ADAAA0	P. FLEXILIS WOODLAND SERIES	4	S		S	07
C2A2ADABM0	P. FLEXILIS/CERCOCARPUS LEDIFOLIUS PA	3	S		P	04
C2A2ADACA0	P. FLEXILIS/FESTUCA IDAHOENSIS PA	5	S		S	07
C2A2ADACM0	P. FLEXILIS/F. SCABRELLA PA	5				10
C2A2ADADA0	P. FLEXILIS/JUNIPERUS COMMUNIS PA	4			S	08
C2A2ADADD0	P. FLEXILIS-JUNIPERUS OSTEOSPERMA CT	2				21
C2A2ADADG0	P. FLEXILIS-JUNIPERUS SCOPULORUM CT	2?				02
C2A2AEAAA0	P. PONDEROSA WOODLAND SERIES	3				03
C2A2AEABA0	P. PONDEROSA/AGROPYRON SPICATUM PA	4	P	S	P	11
C2A2AEACA0	P. PONDEROSA/ANDROPOGON SPP. PA	2			S	0?
C2A2AEADA0	P. PONDEROSA/CAREX HELIOPHILA PA	3			P S	27
C2A2AEADM0	P. PONDEROSA/CORNUS STOLONIFERA PA	3			H	03+03
C2A2AEAEA0	P. PONDEROSA/JUNIPERUS HORIZONTALIS PA	3		H	S	11
C2A2AEAF00	P. PONDEROSA/PURSHIA TRIDENTATA PA	3	S			0?
C2A2AEAGA0	P. PONDEROSA/QUERCUS MACROCARPA PA	5				
	<b>Mainly evergreen coniferous woodlands with needle-leaved trees having conical crowns</b>					
C2A2VVA000	PSEUDOTSUGA MENZIESII WOODLAND SERIES	4	S			13+20*
C2A2BBABA0	P. MENZIESII/AGROPYRON SPICATUM PA	1?	S	S		0?
C2A2BBABF0	P. MENZIESII/ANDROPOGON SCOPARIUS PA	3				05
C2A2BBABH0	P. MENZIESII/CERCOCARPUS LEDIFOLIUS PA	3	S		S	23
C2A2BBABM0	P. MENZIESII/CORNUS STOLONIFERA PA	3	S			

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# State/Global Plant Communities/Associations Ranking for Bureau of Land Management

## MONTANA NATURAL HERITAGE PROGRAM

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			*GR DL HW	GF HV JD PH VY	BS BD PR
<b>Mainly evergreen coniferous woodlands with needle-leaved trees having conical crowns (cont.)</b>					
C2A2BBACA0	PSEUDOTSUGA MENZIESII/FESTUCA IDAHOENSIS PA	4	S S S	P P S	P
C2A2BBADA0	P. MENZIESII/FESTUCA SCABRELLA PA	4	S H S	H	-
C2A2BBADD0	P. MENZIESII-JUNIPERUS OSTEOSPERMA CT	2	-	-	S
C2A2BBADM0	P. MENZIESII/JUNIPERUS SCOPULORUM PA	3	-	S S	-
C2A2BBAEA0	P. MENZIESII/PURSHIA TRIDENTATA PA	3	-	-	-
C2A2BBAGA0	P. MENZIESII-P. FLEXILIS/L. KINGII CT (now PIFL/LEK)	4	-	-	P
<b>Broad-leaved, mainly cold-deciduous woodlands</b>					
C2B3ABA0	ACER NEGUNDO WOODLAND SERIES	5	-	-	-
C2B3ABM0	FRAXINUS PENNSYLVANICA WOODLAND SERIES	-	-	-	-
C2B3ABMBA0	FRAXINUS PENNSYLVANICA/PRUNUS VIRGINIANA PA	3	-	S S	S S
C2B3ACA0	POPULUS DELTOIDES WOODLAND SERIES	-	-	-	-
C2B3ADA0	POPULUS TRICHOCARPA WOODLAND SERIES	-	-	-	-
C2B3AEA0	SALIX AMYGDALOIDES WOODLAND SERIES	-	-	-	-
C2B3AEABA0	SALIX AMYGDALOIDES CT	3	S	S S	S S
<b>Mainly cold-deciduous forests containing evergreen, needle-leaved trees and/or shrubs</b>					
C1B2CBA0	LARIX LYALLII MIXED FOREST SERIES	-	-	-	-
C1B2CBABA0	L. LYALLII-ABIES LASIOCARPA PA	-	-	-	-
C1B2CCA0	POPULUS ANGUSTIFOLIA MIXED FOREST SERIES	-	-	-	-
C1B2CDA0	POPULUS DELTOIDES MIXED FOREST SERIES	-	-	-	-
C1B2CEA0	POPULUS TREMULOIDES MIXED FOREST SERIES	-	-	-	-
C1B2CFA0	POPULUS TRICHOCARPA SERIES	-	-	-	-
<b>Montane or boreal cold-deciduous forests lacking evergreen trees</b>					
C1B3BBA0	BETULA Papyrifera MONTANE DECIDUOUS FOR. SERIES	-	-	-	-
C1B3BBABA0	B. Papyrifera CT	-	-	-	-
C1B3BCA0	POPULUS TREMULOIDES MONTANE DECIDUOUS FOR. SERIES	-	-	-	-
C1B3BCABM0	P. TREMULOIDES/AMELANCHIER ALNIFOLIA CT	-	-	-	-
C1B3BCABA0	POPULUS TREMULOIDES/Berberis repens PA	-	-	-	-
C1B3BCABN0	P. TREMULOIDES/CALAMAGROSTIS CANADENSIS PA	-	-	-	-
C1B3BCACA0	P. TREMULOIDES/CALAMAGROSTIS RUBESCENS CT	-	-	-	-
C1B3BCACM0	P. TREMULOIDES/CAREX GEYERI CT	-	-	-	-

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UNESCO  
Code

Plant Community or Association Name  
(arranged by UNESCO lifeform of decreasing  
stature, then alphabetically within lifeform)

Ranking  
S G

Butte

BLM District  
Lewistown  
Resource Area

\*GR DL HW GF HV JD PH VY BS BD PR

Montane or boreal cold-deciduous forests lacking  
evergreen trees (cont.)

C1B3BCADA0	POPULUS TREMULOIDES/HERACLEUM SPONDYLIIUM CT	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	0?
C1B3BCADM0	P. TREMULOIDES/JUNIPERUS COMMUNIS CT	SP	4	-	-	-	-	-	-	-	-	-	-	-	-	-	0?
C1B3BCAEA0	P. TREMULOIDES/OSMORHIZA OCCIDENTALIS CT	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	15
C1B3BCADN0	P. TREMULOIDES/POA PRATENSIS CT	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	26
C1B3BCAEA0	P. TREMULOIDES/PRUNUS VIRGINIANA CT	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	0?
C1B3BCAFA0	P. TREMULOIDES/SPIRAEA BETULIFOLIA CT	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	0?
C1B3BCAGA0	P. TREMULOIDES/SYMPHORICARPOS ALBUS CT	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	04
C1B3BCAHA0	P. TREMULOIDES/S. OREOPHILUS CT	3	5	-	-	-	-	-	-	-	-	-	-	-	-	-	0?
C1B3BCAIA0	P. TREMULOIDES/TALL FORB CT	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	02+228*
C1B3BCAJA0	P. P. TREMULOIDES-P. TRICHOCARPA/OSMO OCCI CT	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	04

Subalpine or subpolar cold-deciduous forest

C1B3CBA///	LARIX LYALLII SUBALPINE DECIDUOUS FOREST SERIES	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	0?
C1B3CBABA0	LARIX LYALLII CT			-	-	-	-	-	-	-	-	-	-	-	-	-	

Montane or boreal cold-deciduous, alluvial  
forests mostly lacking evergreen trees

C1B3DBA///	ACER NEGUNDO/PRUNUS VIRGINIANA PA	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1B3DBABA0	A. NEGUNDO/PRUNUS VIRGINIANA PA	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1B3DCA///	FRAXINUS PENNSYLVANICA ALLUVIAL DECID. FOR. SERIES	Z	Z	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1B3DCABA0	F. PENNSYLVANICA-ULMUS ALMERICANA/P. VIRGINIANA PA	1?	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1B3DDA///	POPULUS ANGUSTIFOLIA ALLUVIAL DECID. FOR. SERIES	Z	Z	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1B3DDACA0	P. ANGUSTIFOLIA/CORNUS STOLONIFERA CT	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1B3DDACC0	P. ANGUSTIFOLIA/HERBACEOUS CT	?	?	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1B3DDADA0	P. ANGUSTIFOLIA/POA PRATENSIS CT	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1B3DDAFA0	P. ANGUSTIFOLIA/RECENT ALLUVIAL BAR CT	?	?	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1B3DEA///	POPULUS DELTOIDES ALLUVIAL DECIDUOUS FOREST SERIES	Z	Z	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1B3DEABA0	P. DELTOIDES/CORNUS STOLONIFERA CT	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1B3DEABD0	P. DELTOIDES/HERBACEOUS CT	?	?	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1B3DEACA0	P. DELTOIDES/POA PRATENSIS CT	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1B3DEAFA0	P. DELTOIDES/RECENT ALLUVIAL BAR CT	?	?	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1B3DEAKA0	P. DELTOIDES-FRAXINUS PENNSYLVANICA CT	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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## MONTANA NATURAL HERITAGE PROGRAM

UNESCO Code	Plant Community or Association Name (arranged by UNESCO lifeform of decreasing stature, then alphabetically within lifeform)	Ranking S G	Butte GR DL HW	BLM District Lewistown Resource Area GF HV JD PH VY	Miles City BS BD PR	Minimum # plots
	Montane or boreal cold-deciduous, alluvial forests mostly lacking evergreen trees (cont.)					
C1B3DGA///	POPULUS TREMULOIDES ALLUVIAL DECIDUOUS FOR. SERIES	Z		S		
C1B3DEMCA0	P. TREMULOIDES/CORNUS STOLONIFERA	3	S	S	S	75
C1B3DFA///	POPULUS TRICHOCARPA ALLUVIAL DECIDUOUS FOR. SERIES	Z	S	S		
C1B3DFABA0	P. TRICHOCARPA-BETULA PAPYRIFERA CT	3	S	S		
C1B3DFACA0	P. TRICHOCARPA/CORNUS STOLONIFERA CT	4	S	S		0?
C1B3DFACC0	P. TRICHOCARPA/HERBACEOUS CT (same as following type)	?	S			21
C1B3DFADA0	P. TRICHOCARPA/POA PRATENSIS CT (old name)	4				11
C1B3DFADD0	P. TRICHOCARPA/RECENT ALLUVIAL BAR CT	?				12
						21

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**MONTANA NATURAL HERITAGE PROGRAM**  
**State/Global Plant Communities/Associations Ranking for Bureau of Land Management**

UNESCO Code	Plant Community or Association Name (arranged by UNESCO lifeform of decreasing stature, then alphabetically within lifeform)	Ranking S G	Butte	BLM District Lewistown	Miles City	
			*GR DL HW	GF HV JD PH VY	BS BD PR	
	<b>Shrublands or thickets of mainly evergreen needle-leaved dominants</b>					
C3A2ABA///	ABIES LASIOCARPA EVERGREEN SCRUB SERIES	4	-	-	-	0?
C3A2ABABA0	ABIES LASIOCARPA KRUMHOLZ PA	5	-	-	-	0?
C3A2ABACA0	A. LASIOCARPA/ACER GLABRUM AVALANCHE CHUTE CT		-	-	-	
	<b>Shrublands or thickets of mainly evergreen microphyllous-leaved dominants</b>					
C3A2BBA	ARTEMISIA CANA EVERGREEN SCRUB SERIES	Z	S	P	S	43+06
C3A2BBABA0	A. CANA/AGROPYRON SMITHII PA	4	S	P	S	
C3A2BCA///	ARTEMISIA TRIDENTATA EVERGREEN SCRUB SERIES	Z	-	-	-	
C3A2BCABA0	A. TRIDENTATA/AGROPYRON SMITHII PA	5	P	P	S	
C3A2BCABM0	A. TRIDENTATA/A. DASYSTACHYUM PA	4	-	H	S	
C3A2BCACA0	A. TRIDENTATA/A. SPICATUM PA	5	P	S	S	
C3A2BCADA0	A. TRIDENTATA/STIPA COMATA PA	4	-	S	S	
C3A2BDA///	JUNIPERUS OSTEOSPERMA EVERGREEN SCRUB SERIES	3	-	-	-	
C3A2BDABA0	J. OSTEOSPERMA/AGROPYRON SPICATUM PA	4?	-	-	-	
C3A2BDABC0	J. OSTEOSPERMA/ARTEMISIA TRIDENTATA CT	2	-	-	-	26
C3A2BDABF0	J. OSTEOSPERMA-CERCOCARPUS LEDIFOLIUS CT	3	-	-	-	06
	<b>Mainly cold-deciduous shrublands or thickets of temperate regions</b>					08
C3B4ABA///	ACER GLABRUM DECIDUOUS SCRUB SERIES	5	-	-	-	0?
C3B4ABABA0	ACER GLABRUM AVALANCHE CHUTE CT	4	S	-	-	0?
C3B4ABADA0	ACER GLABRUM DRAINAGE BOTTOM CT	4	-	-	-	0?
C3B4ACA///	ALNUS SPP. DECIDUOUS SCRUB SERIES		-	-	-	
C3B4ACABA0	ALNUS SPP. AVALANCHE CHUTE CT	5	-	-	-	0?
C3B4ADA///	ALNUS INCANA DECIDUOUS SCRUB SERIES		-	-	-	
C3B4ADABA0	ALNUS INCANA CT	3	S	-	-	50
C3B4ADADA0	ALNUS INCANA/CALAMAGROSTIS CANADENSIS PA	4	S	-	-	0/
C3B4ADMBAA0	ALNUS SINUATA CT	2	-	-	-	06
C3B4AEA///	AMELANCHIER ALNIFOLIA DECIDUOUS SCRUB SERIES		-	-	-	
C3B4AEABA0	A. ALNIFOLIA/AGROPYRON SPICATUM CT	2	-	-	-	01

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Ranking S G Butte BLM District Lewistown Miles City Resource Area

GR DL HW GF HV JD PH VY BS BD PR

[illegible]

# MONTANA NATURAL HERITAGE PROGRAM State/Global Plant Communities/Associations Ranking for Bureau of Land Management

UNESCO Code	Plant Community or Association Name (arranged by UNESCO lifeform of decreasing stature, then alphabetically within lifeform)	Ranking S G	Butte	BLM District Lewistown	Miles City	Minimum # plots 18+02
			*GR DL HW	GF HV JD PH VY	BS BD PR	
C3B4ATMBA0	Mainly cold-deciduous shrublands or thickets of temperate regions (cont.)					
C3B4AVA///	SHEPHERDIA ARGENTEA CT	4	e	S	S S S	18+02
C3B4AVM///	SYMPHORICARPOS ALBUS DECIDUOUS SCRUB SERIES	Z Z	-	-	-	
C3B4AVMBA0	SYMPHORICARPOS OCCIDENTALIS DECIDUOUS SCRUB SERIES	4	-	-	-	53
C3B4AWA///	SYMPHORICARPOS OCCIDENTALIS CT	4	S	S S S	S S S	
	VACCINIUM OCCIDENTALE DECIDUOUS SCRUB SERIES		-	-	-	
	Temperate region, mainly cold-deciduous shrublands or thickets of alluvial positions		-	-	-	
C3B4CAM///	SALIX SPP. SERIES		-	-	-	
C3B4CBA///	SALIX BEBBIANA ALLUVIAL SCRUB SERIES		-	-	-	
C3B4CBABA0	SALIX BEBBIANA CT	3	S	-	-	27
C3B4CBMFA0	SALIX CANDIDA/CAREX ROSTRATA PA	3	S	-	-	24
C3B4CCA///	SALIX DRUMMONDIANA ALLUVIAL SCRUB SERIES		-	-	-	
C3B4CCABA0	SALIX DRUMMONDIANA PA	3	S	-	-	02
C3B4CDA///	SALIX EXIGUA ALLUVIAL SCRUB SERIES	5	P S S	P P P	P P P	117
C3B4CDABA0	SALIX EXIGUA CT	4	S	S S S	S S S	
C3B4CEA///	SALIX FARRIAE ALLUVIAL SCRUB SERIES		-	-	-	
C3B4CFA///	SALIX GEYERIANA ALLUVIAL SCRUB SERIES		-	-	-	
C3B4CFafa0	S. GEYERIANA/CALAMAGROSTIS CANADENSIS PA	4	S	-	-	32
C3B4CFALA0	S. GEYERIANA/CAREX ROSTRATA PA	5	S	-	-	68
C3B4CFAPA0	S. GEYERIANA/DESCHAMPSIA CESPITOSA PA	3	S	-	-	0?
C3B4CFAQA0	S. GEYERIANA/POA PRATENSIS CT (now just SALGEY c.t.)	4	S	-	-	02
C3B4CFGBA0	SALIX LASIANDRA CT	3	-	-	-	09
C3B4CFM///	SALIX PLANIFOLIA ALLUVIAL SCRUB SERIES		-	-	-	
C3B4CFMFA0	S. PLANIFOLIA/CAREX AQUATILIS PA	3	S	-	-	57
C3B4CFN///	SALIX LUTEA ALLUVIAL SCRUB SERIES		-	-	-	
C3B4CFNBA0	S. LUTEA/CALAMAGROSTIS CANADENSIS PA	3	-	-	-	05
C3B4CFNCA0	S. LUTEA/CAREX ROSTRATA PA	4	-	-	-	14
C3B4CFNDA0	S. LUTEA/POA PRATENSIS CT (now just SALLUT c.t.)	4	-	-	S	05
C3B4CGA///	SALIX WOLFII ALLUVIAL SCRUB SERIES		-	-	-	
C3B4CGAFA0	SALIX WOLFII/CAREX AQUATILIS PA	3	-	-	-	57
C3B4CGAPA0	S. WOLFII/DESCHAMPSIA CESPITOSA PA	3	S	-	-	20
C3B4CHABA0	SPIRAEA DOUGLASII CT	4	-	-	-	11

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	<b>Extremely xeromorphic (subdesert) shrublands with semi-deciduous shrubs</b>					
C3C1BCA//	CHRYSOTHAMNUS NAUSEOSUS XERIC SCRUB SERIES	2	-	-	-	08
C3C1BCAAD0	CHRYSOTHAMNUS NAUSEOSUS/ERIOGONUM BREVICHAULE CT	2	-	-	-	04
C6A2ACABA0	ARTEMISIA TRIDENTATA-ATRIPLEX CONFERTIFOLIA CT	4	-	-	-	02
C4C1BBACA0	ARTEMISIA TRIDENTATA-ATRIPLEX NUTTALLII CT	3	-	-	-	
	<b>Extremely xeromorphic (subdesert) shrublands with deciduous shrubs and lacking succulents</b>					
C3C2ABA//	ATRIPLEX CONFERTIFOLIA XERIC SCRUB SERIES	3	-	-	-	0?
C3C2ABABA0	A. CONFERTIFOLIA PA	3	-	-	-	03
C3C2ACABA0	S. VERMICULATUS XERIC SCRUB SERIES	4	-	-	-	07
OC3C2ACABM0	S. VERMICULATUS/AGROPYRON SPICATUM PA	3	-	-	-	03
C3C2ACACA0	S. VERMICULATUS-ARTEMISIA TRIDENTATA PA	4	-	-	-	10+01
C3C2ACADA0	S. VERMICULATUS-ATRIPLEX NUTTALLII PA	3	-	-	-	02
C3C2ACAEA0	S. VERMICULATUS/ELYMUS CINEREUS PA	3	-	-	-	
	<b>Mainly evergreen, dwarf-scrub and related dwarf-shrubland communities</b>					
C4A2BAA//	CASSIOPE SPP. EVERGREEN DWARF SCRUB SERIES	3	-	-	-	03
C4A2BAABD0	C. MERTENSIANA/CAREX PAYSONIS CT	3	-	-	-	12
C4A2BBA//	KALMIA MICROPHYLLA EVERGREEN DWARF SCRUB SERIES	3	-	-	-	04
C4A2BBACA0	KALMIA MICROPHYLLA/CAREX SCOPULORUM PA	3	-	-	-	
C4A2BDA//	PHYLLODOCE SPP. EVERGREEN DWARF SCRUB SERIES	3	-	-	-	
C4A2BDADA0	P. EMPETRIFORMIS/ANTENNARIA LANATA CT	3	-	-	-	
	<b>Mixed partially evergreen dwarf-scrub and herb formations</b>					
C4A3BBA//	JUNIPERUS HORIZONTALIS EVERGREEN DWARF SCRUB SER.	?	-	-	-	07
C4A3BBABA0	JUNIPERUS HORIZONTALIS/AGROPYRON DASYSTACHYUM CT	?	-	-	-	0?
C4A3BBACA0	JUNIPERUS HORIZONTALIS/AGROPYRON SPICATUM CT (remove)	3	-	-	-	11
C4A3BBADA0	JUNIPERUS HORIZONTALIS/ANDROPOGON SCOPARIUS PA	?	-	-	-	04
C4A3BBAEA0	JUNIPERUS HORIZONTALIS/CALAMOVILFA LONGIFOLIA	4	-	-	-	07
C4A3BBAGA0	JUNIPERUS HORIZONTALIS/CAREX HELIOPHILA PA	?	-	-	-	04
C4A3BBAJA0	JUNIPERUS HORIZONTALIS/JUNCUS BALTICUS	3	-	-	-	05
C4A3BCABA0	CERATOIDES LANATA/STIPA COMATA PA	3	-	-	-	

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	<b>Mainly cold-deciduous and evergreen cespitose dwarf-shrub thicket</b>					
C4B4BAA///	SALIX ARCTICA DECIDUOUS DWARF SCRUB SERIES	3	S	S	P	02
C4B4BAAAC0	S. ARCTICA/POLYGONUM BISTORTOIDES CT	3	S	S	P	02
C4B4BBB///	SALIX GLAUCA SEMI-DWARF SHRUB SERIES	2	P	P	P	02
C4B4BBBAB0	SALIX GLAUCA CT	2	P	P	P	02
C4B4BBE///	SALIX RETICULATA DECIDUOUS DWARF SCRUB SERIES	2	P	P	P	02
C4B4BBEAB0	S. RETICULATA (nivalis)/CALTHA LEPTOSEPALA	2	P	P	P	02
	<b>Extremely xeromorphic mainly evergreen to semi-deciduous subdesert dwarf-shrubland</b>					
C4C2ABA///	ARTEMISIA PEDATIFIDA XERIC DWARF SCRUB SERIES	3			S	09
C4C1BBAAB0	ARTEMISIA PEDATIFIDA-ATRIPLEX NUTTALLII CT	3		S	S	0?
C4C1BBA///	ATRIPLEX NUTTALLII XERIC DWARF SCRUB SERIES	3		S	S	0?
C4C1BBAB0	ATRIPLEX NUTTALLII PA	3			S	04
C4C1BBABD0	ATRIPLEX NUTTALLII-ARTEMISIA SPINESCENS CT	3			S	03
C4C1BBABF0	ATRIPLEX NUTTALLII/MONOLEPSIS NUTTALLIANA CT	3			S	02
C4C1BBABM0	A. NUTTALLII/AGROPYRON SMITHII CT	3			S	01
C4C1BBACA0	A. NUTTALLII/ARTEMISIA TRIDENTATA PA	3			S	04
C4C1BBADA0	A. NUTTALLII/ORYZOPSIS HYMENOIDES PA	3			S	04
??????????	A. NUTTALLII/SPOROBOLUS AIROIDES CT (peren. grass)	?			S	04
??????????	A. NUTTALLII/ERIOGONUM PAUCIFLORUM CT	?			S	04
C4C1BCA///	ERIOGONUM PAUCIFLORUM XERIC DWARF SCRUB SERIES	?			S	04
	<b>Deciduous subdesert, dwarf-shrubland lacking succulents</b>					
C4C2ACA///	ARTEMISIA SPINESCENS XERIC DWARF SCRUB SERIES	2			H	0?
C4C2ACABA0	A. SPINESCENS PA	2			H	0?
	<b>Terrestrial, herbaceous, tall-grass steppes with shrubs</b>					
C5C1BBA///	YUCCA GLAUCA TALL STEPPE SERIES	4			S	0?
C5C1BBABA0	YUCCA GLAUCA/CALAMOVILFA LONGIFOLIA CT	4			S	0?
C5B1BCA///	RHUS AROMATICA TALL STEPPE SERIES	4			H	0?
C5B1BCABA0	RHUS AROMATICA/CALAMOVILFA LONGIFOLIA PA	4			H	0?
	<b>Terrestrial, herbaceous, tall-grass steppes mostly lacking woody plants</b>					
C5B1CBA///	ANDROPOGON GERARDII TALL-GRASS STEPPE SERIES	2			H	0?
C5B1CBABA0	ANDROPOGON GERARDII/ANDROPOGON SCOPARIUS PA	2			H	0?

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	Terrestrial, herbaceous, tall-grass steppes mostly lacking woody plants (cont.)												
C5B1CDACA0	ANDROPOGON GERARDII/CALAMOVILFA LONGIFOLIA PA	2	3	0	-	-	-	-	-	H	S	S	
C5B1CBADA0	A. GERARDII/FESTUCA IDAHOENSIS PA	2	2	-	-	-	-	-	-	-	H	S	
C5B1CACA0	ANDROPOGON HALLII TALL-GRASS STEPPE SERIES	3	3	-	-	-	-	-	-	-	-	-	
C5B1CCABA0	A. HALLII/CAREX HELIOPHILA CT	3	3	-	-	-	-	-	-	-	-	-	
C5B1CCACA0	A. HALLII/STIPA COMATA CT	4	4	S	S	-	-	-	-	-	-	-	
C5B1CDA0	CALAMAGROSTIS CANADENSIS TALL-GRASS STEPPE SERIES	3	3	-	-	-	-	-	-	-	-	-	
C5B1CDABA0	CALAMOVILFA LONGIFOLIA TALL-GRASS STEPPE SERIES	3	3	-	-	-	-	-	-	-	-	-	
C5B1CEABA0	C. LONGIFOLIA/AGROPYRON SMITHII PA	3	3	-	-	-	-	-	-	-	-	-	
C5B1CEABM0	C. LONGIFOLIA/ANDROPOGON HALLII PA (MTHNP unpub. info.)	3	3	-	-	-	-	-	-	-	-	-	
C5B1CEACA0	C. LONGIFOLIA/CAREX FILIFOLIA PA	3	3	-	-	-	-	-	-	-	-	-	
C5B1CEADA0	C. LONGIFOLIA/C. HELIOPHILA PA	2	3	-	-	-	-	-	-	-	-	-	
C5B1CFA0	ELYMUS CINEREUS TALL-GRASS STEPPE SERIES	2?	4	H	S	S	-	-	-	-	-	-	
C5B1CFABA0	E. CINEREUS PA	3	4	-	-	-	-	-	-	-	-	-	
C5B1CFACA0	E. CINEREUS/AGROPYRON SMITHII CT	3	4	-	-	-	-	-	-	-	-	-	
C5B1CFADA0	E. CINEREUS/FESTUCA IDAHOENSIS CT	3	4	-	-	-	-	-	-	-	-	-	
C5B1CGA0	PHALARIS ARUNDINACEA TALL-GRASS STEPPE SERIES	4	4	-	-	-	-	-	-	-	-	-	
C5B1CGABA0	P. ARUNDINACEA CT	2	3	-	-	-	-	-	-	-	-	-	
C5B1CGMBA0	PHRAGMITES AUSTRALIS PA	3	3	-	-	-	-	-	-	-	-	-	
C5B1CHA0	SPARTINA PECTINATA TALL-GRASS STEPPE SERIES	3	3	-	-	-	-	-	-	-	-	-	
C5B1CHABM0	S. PECTINATA PA	3	3	-	-	-	-	-	-	-	-	-	
C5B1CHABA0	S. PECTINATA/CAREX SPP. CT	3	3	-	-	-	-	-	-	-	-	-	
C5B1CHACA0	S. PECTINATA/SCIRPUS PUNGENS CT	3	3	-	-	-	-	-	-	-	-	-	
	Terrestrial, herbaceous, mid-grass steppe with shrubs												
C5B2BBA0	ARTEMISIA ARBUSCULA MID-GRASS STEPPE SERIES	3, 4	4, 5	-	-	-	-	-	-	-	-	-	
C5B2BBABA0	A. ARBUSCULA/AGROPYRON SPICATUM PA	3	5	-	-	-	-	-	-	-	-	-	
C5B2BBACA0	A. ARBUSCULA/FESTUCA IDAHOENSIS PA	3	5	-	-	-	-	-	-	-	-	-	
C5B2BCA0	ARTEMISIA CANA MID-GRASS STEPPE SERIES	3	3	-	-	-	-	-	-	-	-	-	
C5B2BCAAM0	A. CANA/CAREX HELIOPHILA PA	4	4	-	-	-	-	-	-	-	-	-	
C5B2BCABA0	A. CANA/FESTUCA IDAHOENSIS PA	3	3	-	-	-	-	-	-	-	-	-	
C5B2BCACA0	A. CANA/STIPA COMATA PA	3	3	-	-	-	-	-	-	-	-	-	

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	Terrestrial, herbaceous, mid-grass steppe with shrubs (cont.)		GR DL HW	GF HV JD PH VY	BS BD PR
C5B2BDA///	ARTEMISIA LONGILOBA MID-GRASS STEPPE SERIES	2	@	-	-
C5B2BDABA0	ARTEMISIA LONGILOBA/FESTUCA IDAHOENSIS PA	3	-	-	-
C5B2BEA///	ARTEMISIA NOVA MID-GRASS STEPPE SERIES	4	-	-	-
C5B2BEABA0	A. NOVA/AGROPYRON SPICATUM PA	5	S	-	S
C5B2BEACA0	A. NOVA/FESTUCA IDAHOENSIS PA	4	S	-	S
C5B2BFA///	ARTEMISIA PEDATIFIDA MID-GRASS STEPPE SERIES	4	-	-	-
C5B2BFABA0	A. PEDATIFIDA/FESTUCA IDAHOENSIS PA	2	-	-	-
C5B2BFABM0	A. PEDATIFIDA/AGROPYRON SPICATUM PA	2	-	-	-
C5B2BGA///	ARTEMISIA TRIDENTATA MID-GRASS STEPPE SERIES	4	-	-	-
C5B2BGABA0	A. TRIDENTATA/FESTUCA IDAHOENSIS PA	4	-	-	-
C5B2BGACA0	A. TRIDENTATA/FESTUCA SCABRELLA PA	5	S	P	H
C5B2BHA///	ARTEMISIA TRIPARTITA MID-GRASS STEPPE SERIES	4	-	-	-
C5B2BHABA0	ARTEMISIA TRIPARTITA/FESTUCA IDAHOENSIS PA	3	-	-	-
C5B2BHABD0	A. TRIPARTITA/FESTUCA SCABRELLA PA	2	-	-	-
C5B2BJA///	GUTIERREZIA SAROTHRAE MID-GRASS STEPPE SERIES	5	-	-	-
C5B2BJABA0	G. SAROTHRAE/AGROPYRON DASYSTACHYUM CT (undocumented)	2	-	-	-
C5B2BJACA0	G. SAROTHRAE/A. SPICATUM CT (undocumented)	2	-	-	-
C5B2BKA///	POTENTILLA FRUTICOSA MID-GRASS STEPPE SERIES	3	-	-	-
C5B2BKABA0	P. FRUTICOSA/FESTUCA IDAHOENSIS PA	4	-	-	-
C5B2BKACA0	P. FRUTICOSA/F. SCABRELLA PA	4	-	-	-
C5B2BLA///	PURSHIA TRIDENTATA MID-GRASS STEPPE SERIES	3	-	-	-
C5B2BLABA0	P. TRIDENTATA/AGROPYRON SPICATUM PA	4	-	-	-
C3B4AQMB0	P. TRIDENTATA/FESTUCA IDAHOENSIS PA	3	-	-	-
C5B2BLACA0	P. TRIDENTATA/FESTUCA SCABRELLA PA	3	-	-	-
C5B2BMA///	RHUS AROMATICA MID-GRASS STEPPE SERIES	4	-	-	-
C3B4ARMB0	RHUS AROMATICA/AGROPYRON SPICATUM PA	3	-	-	-
C5B2BMABA0	R. AROMATICA/ANDROPOGON SCOPARIUS PA	3	-	-	-
C5B2BMACA0	R. AROMATICA/CAREX FILIFOLIA PA	3	-	-	-
C5B2BMADA0	R. AROMATICA/FESTUCA IDAHOENSIS PA	3	-	-	-
C5B2BNA///	SARCOBATUS VERMICULATUS MID-GRASS STEPPE SERIES	3	-	-	-
C5B2BNABA0	S. VERMICULATUS/AGROPYRON SMITHII PA	3	-	-	-
C5B2BPA///	YUCCA GLAUCA MID-GRASS STEPPE SERIES	4	-	-	-
C5B2BPABA0	Y. GLAUCA/AGROPYRON SPICATUM CT (undocumented)	4	-	-	-

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**MONTANA NATURAL HERITAGE PROGRAM**  
**State/Global Plant Communities/Associations Ranking for Bureau of Land Management**

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			GR DL HW	GF HV JD PH VY	BS BD PR
<b>Terrestrial, herbaceous, mid-grass steppe lacking shrubs</b>					
C5B2CAMBA0	AGROPYRON DASYSTACHYUM/PHACELIA HASTATA PA	2 2	S	-	-
C5B2CBA0	AGROPYRON SMITHII MID-GRASS STEPPE SERIES	4 4	-	S	S
C5B2CBABA0	AGROPYRON SMITHII PA	4 4	-	S	S
C5B2CBACA0	A. SMITHII/BOUPELOUA GRACILIS PA	4 4	-	S	S
C5B2CBADA0	A. SMITHII/CAREX FILIFOLIA PA	4 4	-	S	S
C5B2CBAEA0	A. SMITHII/STIPA VIRIDULA PA	4 4	-	S	S
C5B2CCA0	AGROPYRON SPICATUM MID-GRASS STEPPE SERIES	4 4	-	S	S
C5B2CCACA0	A. SPICATUM-A. SMITHII PA	4 4	-	S	S
C5B2CCADA0	A. SPICATUM-BOUPELOUA CURTIPENDULA PA	3 4	-	S	S
C5B2CCAEA0	A. SPICATUM-B. GRACILIS PA	4 4	-	S	S
C5B2CCAF0	A. SPICATUM-CAREX FILIFOLIA PA	4 4	-	S	S
C5B2CCAFB0	A. SPICATUM-CUSHION PLANT CT	3 3	-	-	-
C5B2CCAGA0	A. SPICATUM/ERIOGONUM OVALIFOLIUM PA	2 2	-	-	-
C5B2CCAHA0	A. SPICATUM-KOELERIA CRISTATA CT	4 4	-	-	-
C5B2CCAHM0	A. SPICATUM-MUHLBERGIA CUSPIDATA PA	3 4	-	-	-
C5B2CCAJA0	A. SPICATUM-POA SANDBERGII PA	4 4	-	-	-
C5B2CCAKA0	A. SPICATUM-STIPA COMATA PA	4 4	-	-	-
C5B2CCMBA0	AGROSTIS STOLONIFERA CT	5 5	-	-	-
C5B2CDA0	ANDROPOGON SCOPARIUS MID-GRASS STEPPE SERIES	3 4	-	-	-
C5B2CDABA0	A. SCOPARIUS-CAREX FILIFOLIA PA	3 3	-	-	-
C5B2CDACA0	A. SCOPARIUS-CAREX HELIOPHILA PA	2 2	-	-	-
C5B2CDADA0	A. SCOPARIUS-MUHLBERGIA CUSPIDATA PA	4 4	-	-	-
C5B2CFA0	DESCHAMPSIA CESPITOSA MID-GRASS STEPPE SERIES	4 4	-	-	-
C5B2CFAAM0	D. CESPITOSA PA	4, 5 4	-	-	-
C5B2CFABA0	D. CESPITOSA/CAREX SPP. PA	4 4	-	-	-
C5B2CGA0	FESTUCA IDAHOENSIS MID-GRASS STEPPE SERIES	4 4	-	-	-
C5B2CGABA0	F. IDAHOENSIS/AGROPYRON CANINUM PA	4 4	-	-	-
C5B2CGACA0	F. IDAHOENSIS/A. SMITHII PA	4 4	-	-	-
C5B2CGADA0	F. IDAHOENSIS/A. SPICATUM PA	5 5	-	-	-
C5B2CGAEA0	F. IDAHOENSIS/CAREX HELIOPHILA PA	3 3	-	-	-
C5B2CGAGA0	F. IDAHOENSIS/STIPA RICHARDSONII PA	3 4	-	-	-
C5B2CHA0	FESTUCA SCABRELLA MID-GRASS STEPPE SERIES	2 2	-	-	-
C5B2CHABA0	F. SCABRELLA PA (remove - not supported)	2 2	-	-	-

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	Terrestrial, herbaceous mid-grass steppe lacking woody plants (cont.)		'GR DL HW	GF HV JD PH VY	BS BD PR
C5B2CHACA0	FESTUCA SCABRELLA/AGROPYRON SPICATUM PA	4	S	S P P H	-
C5B2CHACA0	F. SCABRELLA/FESTUCA IDAHOENSIS PA	5	S	S S P H	-
C5B2CJA00	GLYCERIA BOREALIS MID-GRASS STEPPE SERIES	3	-	-	-
C5B2CJABA0	G. BOREALIS PA	3	-	-	-
C5B2CKA00	PANICUM VIRGATUM MID-GRASS STEPPE SERIES	2	-	-	-
C5B2CKABA0	P. VIRGATUM PA (P. T. NHP unpub. info.)	2	-	-	-
C5B2CLA00	POA PALUSTRIS MID-GRASS STEPPE SERIES	4	-	-	-
C5B2CIABA0	P. PALUSTRIS CT	4	-	-	-
C5B2CLM00	POA PRATENSIS MID-GRASS STEPPE SERIES	5	S	S S -	S
C5B2CLMBA0	P. PRATENSIS CT	5	S	S S -	S
C5B2CNA00	SPOROBOLUS CRYPTANDRUS MID-GRASS STEPPE SERIES	2	-	-	-
C5B2CNABA0	SPOROBOLUS CRYPTANDRUS PA	2	-	-	-
C5B2CMA00	STIPA COMATA MID-GRASS STEPPE SERIES	3	-	-	-
????????	S. COMATA-AGROPYRON SMITHII	3	-	-	-
C5B2CMABA0	S. COMATA-BOUTELOUA GRACILIS PA	5	S	S S S	S H
C5B2CMACA0	S. COMATA-CAREX FILIFOLIA PA	4	-	-	P S
C5B2CMADA0	S. COMATA-C. HELIOPHILA PA	4	-	-	P S
C5B2CMB00	STIPA CURTISETA MID-GRASS STEPPE SERIES	2	-	-	-
C5B2CMBB00	S. CURTISETA-STIPA VIRIDULA CT (DeVilice et al. 1995)	2	-	-	-
	Terrestrial, herbaceous short-grass steppe with woody plants (no examples thereof)				
	Terrestrial, herbaceous short-grass steppe lacking woody plants				
C5B3CBA00	BOUTELOUA GRACILIS SHORT-GRASS STEPPE SERIES		-	-	-
C5B3CCA00	CAREX GEYERI SHORT-GRASS STEPPE SERIES		-	-	-
	Meadows, pastures or related grasslands above treeline, closed alpine mat				
C5C2ABA00	CAREX SPP. ALPINE MEADOW SERIES	4	S	S P -	-
C5C2ABABA0	CAREX SPP./GEUM ROSSII CT	4	S	S P -	-
C5C2ACA00	CAREX ELYNOIDES ALPINE "MEADOW" SERIES	4	H	P S -	-
C5C2ACABD0	C. ELYNOIDES CT	4	-	-	-
C5C2ACABA0	C. ELYNOIDES/GEUM ROSSII CT	4	S	P H -	H
C5C2C1AFA0	CAREX NIGRICANS CT	4	-	-	-

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	<b>Meadows, pastures or related grasslands above treeline, closed alpine mat (cont.)</b>				
C5C2A1AGA0	CAREX RUPRESTRIS/POTENTILLA OVINA CT	3	4	P S P	H
C5C2A1AJA0	CAREX SCIRPOIDEA/GEUM ROSSII CT	4	4	S S S	H
C5C2A1AJC0	CAREX SCIRPOIDEA/POTENTILLA DIVERSIFOLIA CT	3	3	S S P	H
C5C2A1ABA0	DESCHAMPSIA CESPITOSA/CALITHA LEPTOSEPALA CT	3	4	P S P	H
C5C2A1ACA0	DESCHAMPSIA CESPITOSA/POTENTILLA DIVERSIFOLIA CT	3	4	P S P	H
C5C2ADA0	FESTUCA IDAHOENSIS ALPINE MEADOW SERIES	3	3	S S	H
C5C2ADABA0	F. IDAHOENSIS-CAREX FILIFOLIA PA	3	3	H S H	H
C5C2ADAF0	F. IDAHOENSIS/POTENTILLA DIVERSIFOLIA CT	2	2	P S P	H
C5C2ADACA0	F. IDAHOENSIS-CAREX SCIRPOIDEA PA	3	4	S S P	H
C5C2ADAEA0	F. IDAHOENSIS-LEUCOPOA KINGII PA	2	3	H S P	H
C5C2B2ABC0	GEUM ROSSII/ARENARIA OBTUSILOBA CT	3	3	S S P	H
C5C2C1AAC0	JUNCUS DRUMMONDII/ANTENNARIA LANATA CT	3	3	S S P	H
C5C2C1AAF0	JUNCUS PARRYI/ERIGERON URSINUS CT	3	3	S S P	H
C5C2AEA0	LEUCOPOA KINGII ALPINE MEADOW SERIES	3	3	S S P	H
	<b>Meadows, pastures or related grasslands above treeline, closed alpine mat (cont.)</b>				
C5C2B1BAC0	LEUCOPOA KINGII PA (MTHP unpub.info)	2	3	S	H
C5C2B1BAG0	L. KINGII/OXYTROPIS CAMPESTRIS CT	2	3	S	H
C5C2AFA0	POLYGONUM BISTORTOIDES ALPINE MEADOW SERIES	5	5	S	H
C5C2AGA0	SILENE ACAULIS ALPINE MEADOW SERIES	5	5	S	H
C5C2AGABA0	SILENE ACAULIS MAT-CUSHION PLANT PA	5	5	S	H
C5C2AHA0	XEROPHYLLUM TENAX ALPINE MEADOW SERIES	5	5	S	H
	<b>Alpine (or subnivian) mat-patches</b>				
C5C2BBA0	DRYAS INTEGRIFOLIA ALPINE MEADOW SERIES	2	2	S	H
C5C2BBABA0	DRYAS INTEGRIFOLIA/CAREX SPP. PA	5	5	S	H
C5C2BCA0	DRYAS OCTOPETALA ALPINE MEADOW SERIES	4	5	S	H
C5C2BCABA0	D. OCTOPETALA/CAREX SPP. PA	3	3	S	H
C5C2B3ABL0	D. OCTOPETALA/CAREX RUPESTRIS CT	3	3	S	H
C5C2A3ABS0	D. OCTOPETALA/POLYGONUM VIVIPARUM CT	3	3	S	H

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			*GR DL HW	GF HV JD PH VY	BS BD PR
<b>Tall-sedge (and graminoid), frequently flooded peat swamps (marshes!)</b>					
C5D1ABMBA0	CAREX APERTA PA	2	-	-	-
C5D1ABA000	CAREX AQUATILIS SWAMP SERIES	2	-	-	-
C5D1ABABA0	CAREX AQUATILIS PA	4	S	S	S
C5D1ACA000	CAREX ATHROSTACHYA SWAMP SERIES	3	-	-	-
C5D1ADA000	CAREX BUXBAUMII SWAMP SERIES	3	-	-	-
C5D1ADABA0	C. BUXBAUMII PA	3	-	-	-
C5D1AEA000	CAREX FLAVA SWAMP SERIES	4	-	-	-
C5D1AFA000	CAREX LASIOCARPA SWAMP SERIES	4	-	-	-
C5D1AFABA0	C. LASIOCARPA PA	4	-	-	-
C5D1AGA000	CAREX LIMOSA SWAMP SERIES	3	-	-	-
C5D1AGABA0	C. LIMOSA PA	3	S	S	-
C5D1AHA000	CAREX NEBRASCENSIS SWAMP SERIES	4	-	-	-
C5D1AHABA0	C. NEBRASCENSIS CT	4	S	S	S
C5D1AJA000	CAREX ROSTRATA SWAMP SERIES	5	S	S	-
C5D1AJABA0	CAREX ROSTRATA PA	5	S	S	-
C5D1AKA000	CAREX SIMULATA SWAMP SERIES	3	-	-	-
C5D1AKABA0	CAREX SIMULATA PA	3	-	-	-
C5D1ALA000	DULICHNIUM ARUNDINACEUM SWAMP SERIES	2	-	-	-
C5D1ALABA0	DULICHNIUM ARUNDINACEUM PA	2	-	-	-
C5D1AMA000	ELEOCHARIS PALUSTRIS SWAMP SERIES	4	-	-	-
C5D1AMABA0	E. PALUSTRIS PA	4	-	-	-
C5D1ANA000	JUNCUS BALTICUS SWAMP SERIES	5	-	S	S
C5D1ANABA0	J. BALTICUS CT	5	S	S	S
C5D1APA000	SCIRPUS ACUTUS SWAMP SERIES	5	-	-	-
C5D1APABA0	SCIRPUS ACUTUS PA	5	-	S	S
C5D1APM000	SCIRPUS MARITIMUS SWAMP SERIES	4	-	-	-
C5D1APMBA0	SCIRPUS MARITIMUS PA	4	-	S	S
C5D1AQABA0	SCIRPUS PUNGENS SWAMP SERIES	3	-	-	-
C5D1AQABAA0	SCIRPUS PUNGENS PA	4	-	S	S

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	<b>Low-sedge (and graminoid) swamp with low or short-term flooding</b>				
C5D1BBA0	CAREX SAXATILIS SWAMP SERIES	3	-	-	-
C5D1BBAB0	CAREX SAXATILIS PA	3	-	-	-
C5D1BCA0	CAREX SCOPULORUM SWAMP SERIES	4	-	-	-
C5D1BCAB0	CAREX SCOPULORUM PA	4	-	-	-
????????	C. SCOPULORUM/CALTHA LEPTOSEPALA CT	4	p	s	p
C5D1BDA0	ELEOCHARIS PAUCIFLORA SWAMP SERIES	4	p	s	p
C5D1BDAB0	ELEOCHARIS PAUCIFLORA PA	4	-	-	-
	<b>Herbaceous and half-woody salt swamps</b>				
C5E1ABAB0	SALICORNIA RUBRA CT	2	-	-	-
	<b>Inland salt meadows</b>				
C5E2BBA0	DISTICHLIS SPICATA SALT MEADOW SERIES	4	-	-	-
C5E2BBAB0	DISTICHLIS SPICATA PA	4	-	-	-
C5E2BBMB0	AGROPYRON SMITHII-POA JUNCIFOLIA PA (Lesica pers. comm.)	2	-	-	-
C5E2BCA0	HORDEUM JUBATUM SALT MEADOW SERIES	4	-	-	-
C5E2BCAB0	HORDEUM JUBATUM CT	4	s	s	s
	<b>Mainly perennial forb vegetation and similar communities on organic deposits at flood lines</b>				
C5F1DBA0	EQUISETUM FLUVIATILE FORB SERIES	?	-	-	-
C5F1DBAB0	EQUISETUM FLUVIATILE PA	?	-	-	-
C5F1DBCAA0	GLYCYRRHIZA LEPIDOA CT	2	-	-	-
C5F1DBMBA0	SENECIO TRIANGULARIS CT	3	-	-	-
C5F1DCA0	TYPHA LATIFOLIA FORB SERIES	5	-	-	-
C5F1DCAB0	TYPHA LATIFOLIA PA	5	-	-	-
C5F1DCM0	POLYGONUM AMPHIBIUM FORB SERIES	2	-	-	-
C5F1DCMBA0	POLYGONUM AMPHIBIUM CT	2	-	-	-

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	Desert and other scarcely vegetated areas				
	Scarcely vegetated rocks and screes (see below)				
	Scarcely vegetated rocks (no examples)				
	Chasmophytic vegetation (rooting in fissures, no examples)				
	Alpine rock series (no examples)				
	Scarcely vegetated screes				
	Lowland and submontane scarcely vegetated scree				
C6A2AAMB0	AGROPYRON SPICATUM-ORYZOPSIS HYMENOIDES PA	2	S		
C6A2AB0A	ARTEMISIA LONGIFOLIA SCREE SERIES				
C6A2AB0A	ARTEMISIA LONGIFOLIA PA				
C6A2AB0A	ARTEMISIA LONGIFOLIA CT	3		S	S
C6A2AB0A	A. LONGIFOLIA/CALAMOVILFA LONGIFOLIA CT	3		S	P
C6A2AB0A	A. LONGIFOLIA/ORYZOPSIS HYMENOIDES PA	1?		S	P
C6A2AB0A	ARTEMISIA TRIDENTATA SCREE SERIES	4		S	P
C6A2AB0A	A. TRIDENTATA-ATRIPLEX CONFERTIFOLIA PA	4		S	P
	Montane vegetated scree formations				
C6A2BB0A	ABIES LASIOCARPA MONTANE SCREE SERIES	4			
C6A2BB0A	ABIES LASIOCARPA/SCREE PA	5			
C6A2BC0A	P. CONTORTA MONTANE SCREE SERIES				
C6A2BC0A	P. CONTORTA/SCREE PA				
C6A2BD0A	PINUS FLEXILIS MONTANE SCREE SERIES				
C6A2BD0A	P. FLEXILIS/SCREE PA				
C6A2BE0A	P. PONDEROSA MONTANE SCREE SERIES				
C6A2BE0A	P. PONDEROSA/SCREE PA				
C6A2BF0A	POPULUS TREMULOIDES MONTANE SCREE SERIES				
C6A2BF0A	P. TREMULOIDES/PHYSOCARPUS MALVACEUS-AMELANCIER CT				
C6A2BG0A	PSEUDOTSUGA MENZIESII MONTANE SCREE SERIES				
C6A2BG0A	PSEUDOTSUGA MENZIESII/SCREE PA				
	Aquatic formations: fresh water, temperate & subpolar types with rooting floating-leaves				
C7C1BB0A	POTAMOGETON SPP. AQUATIC SERIES			S	S
C7C1BB0A	NUPHAR SPP. AQUATIC SERIES (NEW!!!)				
	Aquatic formations: fresh water, temperate & subpolar with free-floating leaves				
C7E2BB0A	LEMNA MINOR AQUATIC SERIES				

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OTHER!	OTHER!	OTHER!			
CTGGAGSPFB	AGROPYRON SPICATUM-CALAMOVILFA LONGIFOLIA	?		S	-
CTGGAGSPOB	AGROPYRON SPICATUM-POA CUSICKII PA	-		-	-
CTGGFEIDNB	FESTUCA IDAHOENSIS-STIPA COMATA	-		-	-
CTGGFESCIB	FESTUCA SCABRELLA-DESCHAMPSIA CESPITOSA	?		-	-
CTGGFESCMB	FESTUCA SCABRELLA-STIPA VIRIDULA	?		-	-
CTGGSCSCAB	ANDROPOGON SCOPARIUS-ANDROPOGON HALLII	?		-	-
CTGGSTCOBB	STIPA COMATA-PASCOPYRUM SMITHII	?		-	S
CTGGSTCOGB	S. COMATA-CALAMOVILFA LONGIFOLIA	2?		-	-
CTGGSTCOKB	S. COMATA-KOELERIA MACRANTHA	?		-	-
CTSFKALMAB	KALMIA MICROPHYLLA/ELEOCHARIS PALUSTRIS- ERIPHORUM CHAMISSONIS	?		-	-
??????????	PINUS PONDEROSA/POTENTILLÄ FRUTICOSA CT			S	S
??????????	PINUS PONDEROSA/YUCCA GLAUCA CT			S	S
??????????	SARCOBATUS VERMICULATUS/DISTICHLIS SPICATA CT			S	S
??????????	AGROPYRON SMITHII-DISTICHLIS SPICATA			S	S
??????????	DISTICHLIS SPICATA/SALICORNIA RUBRA			S	S

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